

How To Use This Catalog

- You are now viewing the JSC Undergraduate Catalog. To switch to the Graduate Catalog, choose that option from the drop-down menu above.
- From any Academic Program page, click the "paper" icon (at the top or bottom) to create a complete degree plan with courses of study for that program, which can then be printed and kept for reference.
- Click on any course to drop down a course description and related info (including any hyperlinked prerequisites, which also may be opened). To close out of the description, click the course name again.
- Select "Course Descriptions" from the left navigation to pull up every course organized chronologically by course type, then course number. The search box at top allows you to filter this list a variety of ways. Select "Filter" to see search results for the criteria you have entered. (Note: An asterisk [*] can be used as a wildcard in the "Code or Number" field. If you want to see all 3000-level courses searches, for example, enter 3* in that field.)
- You can create your own "Favorites" folder where you can store courses, programs of study, catalog information, etc. To do this, set up an account by selecting the "My Favorites" link in the left-hand navigation (bottom link). To add items to your Favorites folder, simply click the star icon at the top or bottom.
- The help menu ("?" icon) is user friendly and should answer any questions you may have.

If you notice any errors or questionable content, please email the Assistant Academic Dean.

Catalog Home

Welcome to the Johnson State College Online Undergraduate Catalog. This catalog takes effect August 1, 2014, and remains in effect until superseded by a new issue.

The Undergraduate Catalog is the official source of information about JSC undergraduate academic programs, courses, policies and procedures. It should be used as a guide in planning a course of study and meeting graduation requirements. It should not be regarded as a contract between students and Johnson State College, as JSC reserves the right to make changes in course offerings, degree requirements, charges, regulations and procedures as educational and financial considerations require.

Course offerings and requirements are continually examined and revised, and not all courses in this catalog are offered every semester. JSC publishes a Course Bulletin each semester listing the courses to be offered that semester, along with times, locations and other pertinent information. Because changes may occur after the Bulletin is published, students are advised to check "Search for Course Sections" on the MyJSC Portal for the most up-to-date information.

The JSC catalog is published annually by the Office of the Academic Dean. The online catalog contains a number of features to assist users, including advanced search options, intuitive navigation and a personal "Favorites" folder where you can store favorite programs and courses.

To view the JSC *Graduate* Catalog, select that option from the drop-down menu at upper right. For earlier versions of either the graduate or undergraduate catalogs, contact the Office of the Registrar at 802-635-1677.

Accreditation

Johnson State College is accredited by the New England Association of Schools and Colleges and the Vermont Department of Education. For inquiries regarding NEASC accreditation, you may contact the NEASC Commission on Institutions of Higher Education by email or call 855-886-3272 toll free.

Equal Opportunity & Non-Discrimination

Johnson State College is committed to equal opportunity and affirmative action. We administer all programs, procedures and practices without regard to age, color, disability, marital status, national or ethnic origin, political affiliation, race, religion, sex, sexual orientation, gender identity, veteran status, or family medical or genetic information. See the College-Wide Policies section of this catalog for additional information about this and other policies related to non-discrimination and other prohibited conduct.

Johnson State College

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jscadmissions@jsc.edu
www.jsc.edu

History & Mission

Johnson State College: A Brief History

The history of Johnson State College dates back to 1828 when John Chesamore, a village cobbler, gave his shoe shop to the village of Johnson for a much-needed elementary and secondary school. Dr. Carpenter, a Chelsea, Vermont preacher became the schoolmaster when the school was chartered in 1832 as Johnson Academy.

In 1836, five communities incorporated as the Lamoille County Grammar School Association to support the school. In 1866, the State designated Johnson Academy as one of three new "Normal Schools," institutions specifically for teacher training. The Johnson Normal School offered one-, two- and three-year teacher training programs until 1947 when the State approved a four-year teacher-training program, and the school became Johnson Teachers College.

By an act of the 1961 Legislature, the Vermont State Colleges Board of Trustees was created to oversee the state college system. This new board assumed control on July 1, 1962, and Johnson Teachers College became Johnson State College. This new name signaled a change in the College's mission from a single-purpose teacher-training college to a multi-purpose liberal arts college. Since that time, the College's curriculum in the liberal arts and sciences, its enrollment and its facilities have expanded dramatically to meet this new mission. In recent years, the College has embarked on an ambitious plan to transform the campus to enhance teaching, learning and community gathering spaces. In 2008, a \$7 million renovation of Stearns Student Center was completed. This renovation transformed the building into a true student union with community gathering spaces, a performance space, a cinema and excellent dining facilities. In 2009, the College completed a major renovation of its athletics facility with the creation of a new fitness center, spinning studio, yoga/exercise rooms and a transformed varsity gymnasium. In the summer of 2011, major renovations to Bentley Hall, home to JSC's environmental and health sciences programs, were completed, resulting in a new molecular lab, a fully renovated and expanded Earth sciences lab and a dedicated research lab for upper-level students conducting their senior-level thesis projects. And in the winter of 2012, the fully renovated Visual Arts Center was reopened, featuring rejuvenated studios classrooms, dedicated work spaces for BFA students, updated classrooms and offices, a new gallery and a Mac lab.

The College has come a long way from that first class of 16 students in a converted cobbler's shop. Johnson State's modern, dozen-building campus spreads over 330 hilltop acres and serves nearly 1900 students from Vermont and

around the country. The College is accredited as a multi-purpose public institution by the New England Association of Schools and Colleges and is approved as a degree-granting institution by the Vermont State Board of Education.

The Johnson State College Mission

The Johnson State College community believes in the power of higher education to transform lives. We express this commitment through an education that crosses academic and other boundaries, wherever possible; creates opportunities for students to extend their classroom learning to the field, the laboratory, the studio, the community and the local and wider world; recognizes the diverse starting points and goals of students; and sustains active participation, high standards, vigorous debate and mutual respect.

The Mission of the Vermont State Colleges

For the benefit of Vermont, the Vermont State Colleges provide affordable, high-quality, student-centered and accessible education, fully integrating professional, liberal arts and career study. This integrated education, in conjunction with applied learning experiences, assures that graduates of VSC programs will:

1. Demonstrate competence in communication, research and critical thinking.
2. Practice creative problem-solving both individually and collaboratively.
3. Be engaged, effective and responsible citizens.
4. Bring to the workplace appropriate skills and an appreciation of work quality and ethics.
5. Embrace the necessity and joy of lifelong learning.

The Vermont State Colleges also offer numerous opportunities for others to engage in continuous learning to meet their specific goals.

College-Wide Policies

VSC Policies 311 & 311A: Non-Discrimination & Prevention of Harassment and Related Unprofessional Conduct

The Vermont State Colleges (VSC) and each member college, including Johnson State College, do not discriminate based on race, color, creed, ancestry, ethnicity, national origin, place of birth, sex, sexual orientation, gender identity, disability, age, veteran status, marital status, HIV status or any other status protected by law. Sexual harassment, racial harassment and harassment based on other protected categories also are forms of discrimination and are not tolerated. Further, inappropriate sexual relationships between staff and students are prohibited even if they do not rise to the level of sexual harassment.

This policy of non-discrimination applies to the application processes for admissions and employment, academic and residential programs, employment practices and policies, scholarship and loan programs, and all programs and facilities, including athletics. JSC is an equal opportunity employer.

Sexual misconduct, which includes sexual harassment and sexual violence is a form of sex discrimination and therefore is a violation of VSC Policy 311 as well as federal (Title IX) and state law and the JSC Code of Conduct, which can be found in the JSC Student Handbook.

VSC Policy 311-A, adopted in September 2014, relates to sexual misconduct, domestic violence, dating violence, stalking and related conduct. It calls for prompt and appropriate remedial action to stop the misconduct shall be taken, including student suspension, dismissal or expulsion of students; suspension or termination of employment; and referral for criminal investigation and prosecution under Vermont law.

VSC Policies 311 and 311-A can be read in their entirety by selecting "Student Affairs Policies" in the Policies & Procedures section of the VSC website at www.vsc.edu.

To initiate a formal or informal complaint of discrimination or harassment, or for further information, contact Assistant Academic Dean Jo Ann Lamore, JSC's Policy 311 coordinator, at 802-635-1243 or by email to JoAnn.Lamore@jsc.edu. For accommodations in order to apply for admission, please contact the Office of Academic Support Services at 802-635-1264; If accommodations are needed for employment, please contact the Dean of Administration at 802-635-1208.

Title IX

Title IX is a federal law that prohibits discrimination based on gender in any educational program or activity. The law states that "no person in the United States shall on the basis of sex be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving federal financial assistance." The amendment in 1987 expanded the definition of program or activity to include all the operations of an educational institution, governmental entity or private employer that receive federal funds. Sexual misconduct, including sexual violence and harassment, are prohibited by Title IX as well as by state law and by VSC and JSC policies. The Title IX Campus Coordinator is Dean of Student Life & College Relations David Bergh, who can be reached at 802-635-1200 or David.Bergh@jsc.edu.

Family Educational Rights & Privacy Act (FERPA)

The Family Educational Rights & Privacy Act of 1974 (FERPA) affords students certain rights with respect to their educational records. The primary rights afforded to each student include but are not limited to the right to inspect and review their education records, the right to amend incorrect records and the right to limit disclosure of information from the records.

In accordance with federal law and regulations issued by the Department of Education, the Vermont State Colleges System ("VSC") has adopted policies and procedures for each of its Colleges. The Colleges within the VSC are: Castleton State College, Johnson State College, Lyndon State College, Vermont Technical College, and the Community College of Vermont. The purpose of this VSC policy is to provide guidance on the rights of inspection and the prohibitions against unauthorized dissemination of educational information. The VSC's FERPA policy is available on the MyJSC Portal under VSC Public Info and Data (see VSC Policy and Procedures / Student Affairs / Policy 312) and at the Registrar's Office.

More information is available from:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Ave. SW
Washington, DC 20202-4605
Email: FERPA@ed.gov
Telephone: (202) 260-3887
Fax: (202) 260-9001

Federal Clery Act Compliance

In compliance with the federal Jeanne Clery Disclosure of Campus Security Policy & Campus Statistics Act [20 USC 1092(f)], JSC's Department of Public Safety prepares and publishes an annual campus security and fire safety report each October 1 for the purpose of disclosing campus crime and fire statistics, security policies and enforcement. This report includes information about the College's alcohol and drug policies, sexual-assault education and prevention programs, and procedures for reporting and handling reports of sexual assaults. The report is available online, or you may request a printed copy from the Office of Public Safety.

The Office of Public Safety is staffed 24 hours a day, 7 days a week, 365 days a year. An officer on duty can be reached anytime by calling 802-635-1205 (or 1205 from a campus phone).

Photographs & Videos

Johnson State College and its representatives occasionally take photographs and record videos for use by the College in print and electronic media. This statement serves as public notice of the College's intent to do so and as a release to the College of permission to use such images and recordings as it deems fit. Students may withdraw their consent to appear in photos or videos created by the College and its representatives by completing a form available from the Office of the Registrar.

Academic Calendar

Fall 2014

August 1	Deadline to apply for December 2013 graduation
Monday, August 25	Classes begin
Monday, September 1	Labor Day - classes held
Friday, September 5	Deadline for independent study and internship contracts to be submitted to the Academic Dean's Office. Final day to add/drop courses
Friday, October 3	Fall recess begins after last class
Saturday, October 4	Residence halls open at 10 a.m.
Sunday, October 12	Residence halls open at 10 a.m.
Monday, October 13	Classes resume
Friday, October 17	Deadline to complete Spring 2013 Incomplete grades
Monday, October 20	Second-half semester courses begin
Friday, October 31	Last day for course withdrawals. Last day to add and drop second-half semester courses
Monday, November 10	Registration for Spring 2014 begins
Friday, November 21	Thanksgiving break begins after last class

Saturday, November 22	Residence halls open at 10 a.m.
Sunday, November 30	Residence halls open at 10 a.m.
Monday, December 1	Classes resume
Friday, December 12	Last day of classes
M-F, December 15-19	Final exams
Friday, December 19	Last day of semester
Saturday, December 20	Residence halls close at 10 a.m.

Spring 2015

Monday, January 19	Classes begin
Friday, January 30	Deadline for independent study and internship contracts to be submitted to the Academic Dean's Office. Final day to add and drop courses
February 1	Deadline to apply for May 2015 graduation
Friday, February 20	Winter recess begins after last class
Saturday, February 21	Residence halls open at 10 a.m.
Sunday, March 1	Residence halls open at 10 a.m.
Monday, March 2	Classes resume
Friday, March 13	Deadline to complete Fall 2013 Incomplete grades
Monday, March 16	Second-half semester courses begin
Friday, March 27	Last day for course withdrawals. Last day to add and drop second-half semester courses
Monday, March 30	Registration for Summer and Fall 2014 begins
Friday, April 3	Spring break begins after last class
Saturday, April 4	Residence halls open at 10 a.m.
Sunday, April 12	Residence halls open at 10 a.m.
Monday, April 13	Classes resume
Friday, May 8	Last day of classes
M-F, May 11-15	Final exams
Friday, May 15	Last day of semester
Saturday, May 16	Residence Halls close at 10 a.m.

Academic Departments

Behavioral Sciences

Faculty / Staff

David Fink, *Professor*

Susan Green, *Professor, Department Chair*

Gina Mireault, *Professor*

Staci Born, *Assistant Professor*

Kaya Tretjak, *Visiting Assistant Professor*

Vicky Sanborn, *Administrative Assistant*

The Behavioral Sciences Department offers courses with the following designators: ANT (anthropology), CSV (community service/volunteer), PSY (psychology), SSC (social science) and SOC (sociology). See full Course Descriptions. The department also offers a Master of Arts program in counseling. For further information, see the Johnson State College graduate catalog.

Major

Anthropology & Sociology (B.A.)

With integrative study in anthropology and sociology, students learn to appreciate, understand and investigate how diversities and social structural arrangements among people affect the distribution of power around the globe and subsequent possibilities for people to co-exist in a fair, socially just world and to personally live robust and ecologically sustainable lives. Anthropology explores the range of cultural and biological differences and similarities among all peoples. Some topics include: evolution, environment, symbolism, values, art, healing, religion and consciousness. Anthropology's emphasis upon cultural relativism reveals the rich diversity of human life within the global setting. Sociology investigates social interaction, the societal forces of inequality, power and the role of social structure including the family, economics, politics, education, religion and the media that collectively organize the lens through which we organize, and makes sense of, our behavior and relationships. Students combine unique understandings of how and why people behave the way they do with knowledge of the impact of technology, globalization and diversity toward careers in the service industry, social work, police and correction agencies, personnel management in corporations, and in the nonprofit management sector.

Learning Outcomes for Anthropology/Sociology Majors

Anthropology and Sociology graduates should be able to demonstrate their:

1. Knowledge of the concepts, theories and methodologies of cultural and social forces and their impact on personal life choices, community relationships, national issues and globalization.
2. Holistic, interdisciplinary critical thinking in a way that integrates oral, written, visual, geographic, computer-based and media literacy skills, to evaluate and communicate the "bigger picture" of societal institutions and multi-cultural forces on our personal choices, our societal arrangements and our global involvements.

3. Cultural diversity skills that acknowledge the many beliefs, values, languages, norms, sanctions, symbols and technologies that inform lifestyles across the globe.
4. Informed knowledge of the power of social and cultural forces to bear upon both personal life choices and on civic responsibility and accountability to co-create a socially just, diverse and sustainable world.
5. Preparedness to further their education or enter careers that require interpersonal, multicultural knowledge and "people skills" in diversity, global awareness and social justice. Careers include education, personnel management, social service agencies, government positions doing research and training, criminal justice and international intelligence agencies.

Anthropology & Sociology Requirements

Required Courses

Core Courses (15 credits)

- ANT-1010 Introduction to Cultural Anthropology 3 credits
- SOC-1010 Introduction to Sociology 3 credits

- ANT-3110 Development of Anthropological Thinking 3 credits **OR**
- SOC-4020 Sociological Theory 3 credits

- ANT-3120 Science, Research Methods & Ethics 3 credits
- ANT-4720 Senior Seminar in Anthropology/Sociology 3 credits

Electives (18 credits required)

At least 6 credits from ANT courses:

- ANT-3020 Religion, Culture & Alternate Realities 3 credits
- ANT-3040 Culture Change in the Modern World 3 credits
- ANT-3130 Culture & Personality 3 credits
- ANT-4010 Anthropology of Death 3 credits
- ANT-4020 Multicultural Health, Illness & Healing 3 credits
- ANT-4730 Topical Seminar in Anthropology 1-3 credits

At least 6 credits from SOC courses:

- SOC-2040 Race/Ethnicity, Class & Gender 3 credits
- SOC-2050 Drugs, Herbs & Society 3 credits
- SOC-2140 Sociolinguistics 3 credits
- SOC-2150 Social Solutions 3 credits
- SOC-3020 Environment & Society 3 credits
- SOC-3040 Social Movement, Culture & Activism 3 credits
- SOC-3050 Gender & Society 3 credits
- SOC-3060 Sexuality & Intimacy 3 credits
- SOC-3080 Wellness & Alternative Medicine 3 credits
- SOC-3130 Mass Media & Society 3 credits

- SOC-3230 Alternative Medicine, Science & Disease 3 credits
- SOC-4010 Family Violence 3 credits
- SOC-4030 Global Health, Diversity & Policy 3 credits
- SOC-4730 Topical Seminar in Sociology 1-3 credits (3 credits)

Up to 6 credits of optional, related disciplinary options:

- CSV-1011 Principles in Community Service Learning 2 credits
- CSV-1012 Community Service Learning 1 credits
- CSV-3010 Leadership through Volunteer Service Learning 1 credits

- FRE-1111 French I 3 credits **AND**
- FRE-1111L French I Lab 1 credits

- FRE-3010 Culture & Civilization through Correspondence & Conversation 3 credits
- HIS-2210 Women in U.S. History 3 credits
- HIS-3225 Latin America: Mexico to Chile; History, Politics, Cultures 3 credits
- HIS-3450 Women in European History 3 credits
- HUM-3150 People & Cultures of the Middle East & North Africa 3 credits
- HUM-3160 African Culture 3 credits
- MUS-3050 The Social History of Rock & Roll 3 credits
- POS-3040 The Politics of Gender 3 credits
- POS-3220 Genocide: Inhumanity Across the Ages 3 credits
- PSY-3230 Psychology of Gender 3 credits

- SPA-1011 Spanish I 3 credits **AND**
- SPA-1011L Spanish I 1 credits

Total: 33 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Psychology (B.A.)

Psychology majors explore a wide range of theories concerning human behavior, development, thought, emotion, learning, intelligence, personality, group dynamics and abnormal behavior. Through course work and a variety of fieldwork opportunities, students are encouraged to use what they learn toward understanding themselves and their relationships. A variety of electives are offered to help students explore different job possibilities, such as working with the chronically mentally ill, organizational psychology, addictions, art therapy, forensic psychology, and working with children and families. Psychology provides excellent preparation for many careers, not only in the psychology field, but in any position in which knowledge of human behavior would be useful.

Acceptance of transfer credits for purposes of satisfying major and minor program requirements is subject to the discretion of the department. This includes, but is not limited to, the length of time that has elapsed since the credits were earned.

Learning Outcomes for Psychology Majors

Students majoring in psychology will be provided the opportunity to learn content knowledge basic to understanding the field of psychology, interpersonal communication skills, and the practical application of this knowledge and these skills.

Psychology Requirements

Required Courses

Core Courses

- PSY-1010 Introduction to Psychology 3 credits
- PSY-2040 Social Psychology 3 credits
- PSY-2070 Developmental Psychology 3 credits
- MAT-2030 Probability & Statistics 3 credits
- PSY-2410 Research Methods in Psychology 3 credits
- PSY-2420 Group Process: Theory & Practice 3 credits
- PSY-3010 Theories of Personality 3 credits
- PSY-3065 Abnormal Behavior 3 credits
- PSY-4010 Biological Psychology 3 credits
- PSY-4770 Senior Seminar in Psychology 1 credits
- PSY-4810 Internship in Psychology 1-12 credits

Electives (15 credits required)

- PSY-3030 Organizational Psychology 3 credits
- PSY-3230 Psychology of Gender 3 credits
- PSY-3250 Multicultural Psychology 3 credits
- PSY-3330 Psychology of Addictions 3 credits
- PSY-3360 Cognitive & Behavioral Psychology 3 credits
- PSY-4080 Psychology & the Civil War 3 credits
- PSY-4090 Controversial Issues in Psychology 3 credits
- PSY-4125 The Evolution of Psychology 3 credits
- PSY-4760 Topical Seminar in Psychology 3 credits **
- PSY-4810 Internship in Psychology 1-12 credits (1-3 credits) *
- PSY-4910 Independent Study in Psychology 1-12 credits (3 credits)
- SOC-3060 Sexuality & Intimacy 3 credits
- SOC-4010 Family Violence 3 credits
- AHS-4030 Psychology of Sports & Exercise 3 credits
- ANT-3130 Culture & Personality 3 credits
- ANT-4010 Anthropology of Death 3 credits
- BIO-3160 Animal Behavior 4 credits

Total: 46 credits

*Psychology internships must be arranged the semester prior to which they are to occur and must be included in the Plan of Study. The required internship must be taken concurrently with the Senior Seminar. Students completing the Health & Sport Psychology concentration are required to complete their internship in an area/setting relevant to health and sport psychology.

**Different topics rotate through the course; each may be taken for elective credit toward the major.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Psychology: Health & Sport Psychology (B.A.)

Core Courses

- PSY-1010 Introduction to Psychology 3 credits
- PSY-2040 Social Psychology 3 credits
- PSY-2070 Developmental Psychology 3 credits
- MAT-2030 Probability & Statistics 3 credits
- PSY-2410 Research Methods in Psychology 3 credits
- PSY-2420 Group Process: Theory & Practice 3 credits
- PSY-3010 Theories of Personality 3 credits
- PSY-3065 Abnormal Behavior 3 credits
- PSY-4010 Biological Psychology 3 credits
- PSY-4770 Senior Seminar in Psychology 1 credits *
- PSY-4810 Internship in Psychology 1-12 credits (3 credits) *

* Psychology internships must be arranged the semester prior to which they are to occur and must be taken concurrently with the Senior Seminar and included in the plan of study. Students completing the Health & Sport Psychology concentration must complete their internship in an area/setting relevant to this field.

Health & Sport Psychology Concentration

In addition to the eleven courses required for the psychology core above, students completing the concentration in Health & Sport Psychology must complete the following, which satisfies the psychology elective requirement as well:

- AHS-4030 Psychology of Sports & Exercise 3 credits
- AHS-4110 Psychophysiology of Stress 3 credits
- AHS-4025 Health Behavior: Change & Adherence 3 credits

Choose two of the following courses (6-7 credits):

- AHS-1010 Contemporary Health Issues 3 credits
- AHS-3120 Kinesiology 3 credits
- AHS-3230 Physiology of Exercise 4 credits
- BIO-3180 Nutrition 3 credits
- SOC-3080 Wellness & Alternative Medicine 3 credits

Total: 15-16 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Wellness & Alternative Medicine (B.S.)

This interdisciplinary major uses a societal, cultural, biochemical and global framework to investigate the history, principles and scientific evidence for the safety and effectiveness of diverse modalities to heal disease and to create wellness. Alternative medicine is defined as "healing practices and health care systems not routinely studied in our conventional allopathic medical schools that train our physicians." Examples include Chinese medicine, naturopathy, acupuncture, herbalism, homeopathy, ayurveda, massage, meditation, yoga, biofeedback, chiropractic, Native American healing, shamanism, nutrition, self-care, lifestyle, exercise and energy medicine. Alternative medicine is also called complementary, folk, natural, holistic, mind/body, integrative and functional medicine - each term suggesting a unique approach to this exciting field of "new medicine." Students begin with the study of conventional allopathic medicine in the U.S. and then explore alternative medical models from around the world. Curricular guidelines follow protocols set by the National Institutes of Health National Center for Complementary and Alternative Medicine, by allopathic medical school pre-entry requirements for future physicians and by pre-entry requirements for students going on to alternative medical careers. This curriculum is flexible, allowing students to focus their degree on personal and career goals. Students graduate with career options to work in entry-level careers in the wellness and fitness industry, in hospital employee assistance programs, in social assistance programs, in the diet and supplements industry and as assistants to alternative medical practitioners. While completing their degree, students may also elect to co-enroll in certification programs to become a massage therapist, yoga instructor, reiki master or Ayurvedic consultant. Other students go on to medical school to become physicians and nurses or go on to alternative medical graduate study for over 150 alternative medical careers that include chiropractors, naturopathic physicians, Chinese medical doctors, ayurvedic physicians or homeopathic doctors.

Learning Outcomes for Wellness & Alternative Medicine Majors

1. Students will demonstrate interdisciplinary knowledge of the behavioral and biological evolution, principles and scientific evidence for the healing claims of conventional allopathic medicine and of diverse multicultural alternative health care systems.
2. Students will develop integrative critical thinking and investigative and evaluative skills for making optimal health care choices through scientific comparison of healing and wellness claims of diverse health care models.
3. Students will demonstrate their competency as multilingual integrative health care translators who are fluent in the concepts, principles and integration of multicultural models of health care and who assist professionals in the comparison of diverse sources of evidence for healing claims.
4. Students will prepare for alternative and allopathic medical careers as integrative physicians, nurses, nurse practitioners, Chinese medical doctors, naturopaths, chiropractors, massage therapists, health research scientists, epidemiologists and health policy planners.

Wellness & Alternative Medicine Requirements

Required Courses

Core Courses

Students take all courses in the core with the exception of those grouped courses marked with an asterisk* below where students generally choose one course.

- AHS-1010 Contemporary Health Issues 3 credits
- AHS-4110 Psychophysiology of Stress 3 credits
- ANT-4020 Multicultural Health, Illness & Healing 3 credits
- BIO-2011 Human Anatomy & Physiology I 4 credits
- BIO-2012 Human Anatomy & Physiology II 4 credits
- BIO-3180 Nutrition 3 credits
- CHE-1031 General Chemistry I 4 credits
- SOC-1040 Integrative Health & Professional Series 1 credits
- SOC-3080 Wellness & Alternative Medicine 3 credits
- SOC-3230 Alternative Medicine, Science & Disease 3 credits

ANT/SOC/AHS

- SOC-2810 Internship in Sociology 1-12 credits (1 credit) **OR**
- SOC-4810 Internship in Sociology 1-12 credits (1 credit)

- SOC-4740 Senior Integrative Health Care Seminar 1 credits

Behavioral Sciences*

(Choose one of the following)

- ANT-1010 Introduction to Cultural Anthropology 3 credits
- PSY-1010 Introduction to Psychology 3 credits
- SOC-1010 Introduction to Sociology 3 credits

Biological Sciences*

(Choose either BIO 1210 [4 credits] or BIO 1211 & BIO 1212 [8 credits])

- BIO-1210 Introduction to Biology 4 credits
OR
- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits **AND**
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits

Drugs, Herbs & Pharmacology*

(Choose one of the following)

- SOC-2050 Drugs, Herbs & Society 3 credits
- AHS-3050 Introduction to Pharmacology 3 credits

Health Diversity, Global Health Policy, Spirituality & Consciousness*

(Choose one of the following)

- SOC-4030 Global Health, Diversity & Policy 3 credits
- ANT-3020 Religion, Culture & Alternate Realities 3 credits

Core Total: 46-50 credits

Wellness & Alternative Medicine Electives

(Take Any 12 Credits)

Note: Students may elect to design with their advisor their own course of study through co-enrolling in certifications or taking related courses that meet their WAM program goals. Also, students who require classes not shown below for post-graduate or certification requirements may request appropriate substitutions from their advisor.

- AHS-2010 Mindfulness Meditation 3 credits
- AHS-2130 Strength & Conditioning 3 credits
- AHS-3010 Therapeutic Massage 3 credits
- AHS-3050 Introduction to Pharmacology 3 credits *(If not taken as a core class)*
- AHS-3230 Physiology of Exercise 4 credits
- ANT-3020 Religion, Culture & Alternate Realities 3 credits *(If not taken as a core class)*
- ANT-4010 Anthropology of Death 3 credits
- BIO-3130 Cellular Biology: A Molecular Approach 4 credits
- BIO-3280 Environmental Toxicology 4 credits
- CHE-1032 General Chemistry II 4 credits
- CHE-3111 Organic Chemistry I 4 credits
- CHE-3112 Organic Chemistry II 4 credits
- DAN-1030 Body Awareness 3 credits
- DAN-3032 Body Awareness II 3 credits (EDP)
- ENV-4010 Global Environmental Issues 3 credits
- INT-3130 Compassion & You: An Introduction to Mahayana Buddhism 3 credits
- OER-1060 Ropes Course 1 credits
- OER-2060 Wilderness First Responder 4 credits
- PHY-1041 Physics I 4 credits
- POS-3050 Environmental Ethics & Politics 3 credits
- PSY-2070 Developmental Psychology 3 credits
- PSY-3330 Psychology of Addictions 3 credits
- PSY-4010 Biological Psychology 3 credits
- SOC-3020 Environment & Society 3 credits
- SOC-3060 Sexuality & Intimacy 3 credits
- SOC-4010 Family Violence 3 credits
- SOC-4030 Global Health, Diversity & Policy 3 credits *(If not taken as a core class)*

Total: 58-62 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Minor

Anthropology & Sociology Minor

Required Courses

- ANT-1010 Introduction to Cultural Anthropology 3 credits
- SOC-1010 Introduction to Sociology 3 credits

- SOC-4020 Sociological Theory 3 credits **OR**
- ANT-3110 Development of Anthropological Thinking 3 credits

Electives: 9 credits

- Three ANT/SOC - courses, at least 2 must be at the 3000 or 4000 level

Total: 18 credits

Psychology Minor

Required Courses

Core Courses

- PSY-1010 Introduction to Psychology 3 credits
- PSY-2040 Social Psychology 3 credits
- PSY-2070 Developmental Psychology 3 credits
- PSY-3010 Theories of Personality 3 credits
- PSY-3065 Abnormal Behavior 3 credits

Electives

- Nine psychology credits at the 3000 level and above to be chosen at the discretion of the student and advisor.

Total: 24 credits

Business & Economics

Faculty / Staff

James Black, *Professor*
Todd Comen, *Professor*
Henrique Cezar, *Associate Professor, Department Chair*
Vacant, *Administrative Assistant*

Articulation Agreement with Clarkson University, N.Y., provides graduates of JSC an opportunity to obtain an MBA degree in only one additional year of study.

Masters of Business Administration Articulation Agreement between Johnson State College and Clarkson University

Johnson State College students who plan their undergraduate program carefully are able to earn their Master of Business Administration (MBA) from Clarkson University in Potsdam, New York, in only one year. If JSC students include the courses that serve as a foundation for the MBA program, they are able to eliminate the need for up to one year of Clarkson's two-year program. In this way, a student could earn both an undergraduate degree from Johnson State College and an MBA from Clarkson in only five total years.

Clarkson University Foundation Requirements	JSC Course Equivalents
Accounting: Financial and Managerial	ACC 2121 and ACC 2122
Economics: Micro and Macro	ECO 2030 and ECO 2020
Corporate Finance	BUS 3230
Operations/Production Management	BUS 3150
Computer Science: Information Systems	CIS-1041
Statistics and Quantitative Methods	MAT 2030
Law and Society	BUS 3131
Principles of Management and Organizational Theory	BUS 3250
Principles of Marketing	BUS 2230

Business & Economics Certificates & Minors

Certificates are designed for non-majors who are interested in an overview of the field. The programs, less comprehensive than a minor, introduce students to the fundamentals of the discipline.

The Department of Business & Economics offers courses with the following designators: ACC (accounting), BUS (business), CIS (computer information systems), ECO (economics), and HTM (hospitality and tourism management). See full Course Descriptions.

Major

Business: Accounting (B.A.)

Bachelor of Arts in Business

The business major is designed to provide students with the skills, knowledge and wisdom necessary to run their own business, be successful in an organization of their choosing and be prepared for graduate study. The student's education in this major comes from both the classroom and real-world experiences, including on-site internships in the field. Specifically, the degree focuses on planning, in reference to products and service; organizational structure; leadership, human resource management, marketing and financial management.

Learning Outcomes for Business Majors

The faculty of the Business & Economics Department have identified five learning outcomes that should be developed and mastered by the time students graduate. Business management graduates will:

1. Successfully apply classroom knowledge to real-world experiences.
2. Demonstrate industry-appropriate communication skills and the ability to work effectively with diverse groups in a team environment.
3. Demonstrate the ability to adapt themselves to a changing business environment while encouraging others to do so as well.
4. Demonstrate the ability to amass, evaluate and interpret complex information to make effective business decisions.
5. Demonstrate the appropriate business norms and ethics, and mastery of the fundamental skills and knowledge required to successfully steward a business operation.

Business Requirements

Required Core Courses

- ACC-2121 Financial Accounting 4 credits
- ACC-2122 Managerial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2140 Personal Finance 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-2410 Human Resource Management 3 credits
- BUS-2280 Introduction to Business Ethics 3 credits
- BUS-3131 Business Law I 3 credits
- BUS-3250 Organizational Behavior & Management 3 credits
- BUS-4720 Senior Seminar 3 credits
- ECO-2020 Macroeconomics 3 credits
- ECO-2030 Microeconomics 3 credits

Total for Core: 38 credits

Business students are strongly encouraged to take MAT-2030 Probability & Statistics and MAT-1221 Finite Mathematics to satisfy their core curriculum mathematics requirements.

Accounting Concentration

The Accounting concentration builds on the core business curriculum to provide 20 additional credits in accounting and accounting-related courses. Students gain specialized knowledge in accounting and financial reporting, and gain an integrated overview of the economic activities of business entities.

This program provides the basic educational foundation required for a variety of entry-level positions in public accounting, business, government and nonprofit organizations. Students who intend to become licensed or certified public accountants (CPAs) in Vermont are advised of additional academic requirements adopted by the state effective July 1, 2014: They must complete a total of 150 credit hours (30 more than a typical bachelor's degree), and 42 of those credits must be in accounting-related courses. This may be accomplished by taking summer classes as well as a full course load (18 credits) during the fall and spring semesters or by enrolling in JSC's Certificate of Proficiency in Accounting following graduation.

Note: In addition to the academic requirements, Vermont regulations require one year of accounting work experience in order to gain licensure and sit for the national CPA exam.

- ACC-2230 Federal Taxes 3 credits
- ACC-3025 Cost Management 3 credits
- ACC-3111 Advanced Intermediate Accounting I 4 credits
- ACC-3112 Advanced Intermediate Accounting II 4 credits
- BUS-4810 Internship in Business Management 1-12 credits (6 credits)

Total for Concentration: 20 credits

Total Core and Concentration Credits: 58 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Business: Hospitality & Tourism Management (B.A.)

Bachelor of Arts in Business

The business major is designed to provide students with the skills, knowledge and wisdom necessary to run their own business, be successful in an organization of their choosing and be prepared for graduate study. The student's education in this major comes from both the classroom and real-world experiences, including on-site internships in the field. Specifically, the degree focuses on planning, in reference to products and service; organizational structure; leadership, human resource management, marketing and financial management.

Learning Outcomes for Business Majors

The faculty of the Business & Economics Department have identified five learning outcomes that should be developed and mastered by the time students graduate. Business management graduates will:

1. Successfully apply classroom knowledge to real-world experiences.
2. Demonstrate industry-appropriate communication skills and the ability to work effectively with diverse groups in a team environment.
3. Demonstrate the ability to adapt themselves to a changing business environment while encouraging others to do so as well.
4. Demonstrate the ability to amass, evaluate and interpret complex information to make effective business decisions.

5. Demonstrate the appropriate business norms and ethics, and mastery of the fundamental skills and knowledge required to successfully steward a business operation.

Business Requirements

Required Core Courses

- ACC-2121 Financial Accounting 4 credits
- ACC-2122 Managerial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2140 Personal Finance 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-2410 Human Resource Management 3 credits
- BUS-2280 Introduction to Business Ethics 3 credits
- BUS-3131 Business Law I 3 credits
- BUS-3250 Organizational Behavior & Management 3 credits
- BUS-4720 Senior Seminar 3 credits
- ECO-2020 Macroeconomics 3 credits
- ECO-2030 Microeconomics 3 credits

Total for Core: 38 credits

Business students are strongly encouraged to take MAT-2030 Probability & Statistics and MAT-1221 Finite Mathematics to satisfy their core curriculum mathematics requirements.

Hospitality & Tourism Management (HTM) Concentration

Tourism and hospitality is one of the world's fastest growing industries, employing millions around the globe and providing exciting career opportunities near and far. Business students in this concentration will complete a rigorous internship to complement their learning. Past internships included our local area ski resorts, the Boston Harbor Hotel, the Dunes in South Carolina and the Sheraton Hotel in Oahu, Hawaii.

Students complete both BUS (business) and HTM courses and select from a broad range of electives to round out their education. In addition, the HTM program weaves numerous hours of experiential learning into the curriculum over four years.

Faculty connections and formal partnerships enable JSC to connect students with top resorts, hotels, restaurants and event-management firms for part-time employment during their college years and rewarding careers following graduation.

- HTM-1010 Survey of Hospitality & Tourism 3 credits
- HTM-3010 Food & Beverage Management 3 credits
- HTM-3110 Lodging & Resort Operations 3 credits
- HTM-3210 International Travel & Tourism 3 credits *
- HTM-3230 Facility Planning & Design 3 credits
- BUS-4810 Internship in Business Management 1-12 credits (6 credits)

Total for Concentration: 21 credits

Total Core and Concentration Credits: 59 credits

**Course substitutions may be possible. Consult with your academic advisor.*

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Business: Management (B.A.)

Bachelor of Arts in Business

The business major is designed to provide students with the skills, knowledge and wisdom necessary to run their own business, be successful in an organization of their choosing and be prepared for graduate study. The student's education in this major comes from both the classroom and real-world experiences, including on-site internships in the field. Specifically, the degree focuses on planning, in reference to products and service; organizational structure; leadership, human resource management, marketing and financial management.

Learning Outcomes for Business Majors

The faculty of the Business & Economics Department have identified five learning outcomes that should be developed and mastered by the time students graduate. Business management graduates will:

1. Successfully apply classroom knowledge to real-world experiences.
2. Demonstrate industry-appropriate communication skills and the ability to work effectively with diverse groups in a team environment.
3. Demonstrate the ability to adapt themselves to a changing business environment while encouraging others to do so as well.
4. Demonstrate the ability to amass, evaluate and interpret complex information to make effective business decisions.
5. Demonstrate the appropriate business norms and ethics, and mastery of the fundamental skills and knowledge required to successfully steward a business operation.

Business Requirements

Required Core Courses

- ACC-2121 Financial Accounting 4 credits
- ACC-2122 Managerial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2140 Personal Finance 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-2410 Human Resource Management 3 credits
- BUS-2280 Introduction to Business Ethics 3 credits
- BUS-3131 Business Law I 3 credits
- BUS-3250 Organizational Behavior & Management 3 credits

- BUS-4720 Senior Seminar 3 credits
- ECO-2020 Macroeconomics 3 credits
- ECO-2030 Microeconomics 3 credits

Total for Core: 38 credits

Business students are strongly encouraged to take MAT-2030 Probability & Statistics and MAT-1221 Finite Mathematics to satisfy their core curriculum mathematics requirements.

Management Concentration

This program provides students with the skills and knowledge to run their own business, succeed in an organization of their choosing, or pursue an MBA.

Through in-class case studies and simulations to internships, students apply theory to actual business situations and develop skills in planning, organizing, leading and controlling a business. Areas of focus include planning, organizational structure, leadership, human resource management, marketing and financial management.

An additional feature of this program is an articulation agreement between Johnson State College and Clarkson University in Potsdam, N.Y. With strict adherence to a prescribed schedule and set of courses, JSC graduates in this concentration may go on to earn an M.B.A. from Clarkson in just one year.

- BUS-3150 Production/Operations Management 3 credits
- BUS-3230 Financial Management 3 credits
- BUS-4070 Strategic Decision Making 3 credits
- BUS-4810 Internship in Business Management 1-12 credits (6 credits)
- CIS-1430 Spreadsheets 3 credits

Total for Concentration: 18 credits

Total Core and Concentration Credits: 56 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Business: Marketing (B.A.)

Bachelor of Arts in Business

The business major is designed to provide students with the skills, knowledge and wisdom necessary to run their own business, be successful in an organization of their choosing and be prepared for graduate study. The student's education in this major comes from both the classroom and real-world experiences, including on-site internships in the field. Specifically, the degree focuses on planning, in reference to products and service; organizational structure; leadership, human resource management, marketing and financial management.

Learning Outcomes for Business Majors

The faculty of the Business & Economics Department have identified five learning outcomes that should be developed and mastered by the time students graduate. Business management graduates will:

1. Successfully apply classroom knowledge to real-world experiences.
2. Demonstrate industry-appropriate communication skills and the ability to work effectively with diverse groups in a team environment.
3. Demonstrate the ability to adapt themselves to a changing business environment while encouraging others to do so as well.
4. Demonstrate the ability to amass, evaluate and interpret complex information to make effective business decisions.
5. Demonstrate the appropriate business norms and ethics, and mastery of the fundamental skills and knowledge required to successfully steward a business operation.

Business Requirements

Required Core Courses

- ACC-2121 Financial Accounting 4 credits
- ACC-2122 Managerial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2140 Personal Finance 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-2410 Human Resource Management 3 credits
- BUS-2280 Introduction to Business Ethics 3 credits
- BUS-3131 Business Law I 3 credits
- BUS-3250 Organizational Behavior & Management 3 credits
- BUS-4720 Senior Seminar 3 credits
- ECO-2020 Macroeconomics 3 credits
- ECO-2030 Microeconomics 3 credits

Total for Core: 38 credits

Business students are strongly encouraged to take MAT-2030 Probability & Statistics and MAT-1221 Finite Mathematics to satisfy their core curriculum mathematics requirements.

Marketing Concentration

This program provides students with essential business skills and marketing know-how for professional success in today's global business environment. Students will conduct and analyze market research, develop marketing plans and examine how businesses and organizations respond to marketing challenges. In the process, students will develop team-working and presentation skills, the ability to plan in advance and think strategically, and the knowledge and skills to use social media and the Web to build both a brand and a base of loyal customers.

Supported by a diverse liberal arts curriculum, students will gain a solid foundation in communications, critical thinking, problem solving, decision-making and creativity that forms the basis for success in this high-demand field. A marketing-related internship with a JSC business partner or other organization rounds out the program.

- BUS-3050 Principles of Sales 3 credits
- BUS-3210 Advertising 3 credits
- BUS-4030 Marketing Research 3 credits
- BUS-4810 Internship in Business Management 1-12 credits (6 credits)
- CIS-2220 Website Design 3 credits

Total for Concentration: 18 credits

Total Core and Concentration Credits: 56 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Business: Sport Management (B.A.)

Bachelor of Arts in Business

The business major is designed to provide students with the skills, knowledge and wisdom necessary to run their own business, be successful in an organization of their choosing and be prepared for graduate study. The student's education in this major comes from both the classroom and real-world experiences, including on-site internships in the field. Specifically, the degree focuses on planning, in reference to products and service; organizational structure; leadership, human resource management, marketing and financial management.

Learning Outcomes for Business Majors

The faculty of the Business & Economics Department have identified five learning outcomes that should be developed and mastered by the time students graduate. Business management graduates will:

1. Successfully apply classroom knowledge to real-world experiences.
2. Demonstrate industry-appropriate communication skills and the ability to work effectively with diverse groups in a team environment.
3. Demonstrate the ability to adapt themselves to a changing business environment while encouraging others to do so as well.
4. Demonstrate the ability to amass, evaluate and interpret complex information to make effective business decisions.
5. Demonstrate the appropriate business norms and ethics, and mastery of the fundamental skills and knowledge required to successfully steward a business operation.

Business Requirements

Required Core Courses

- ACC-2121 Financial Accounting 4 credits
- ACC-2122 Managerial Accounting 4 credits

- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2140 Personal Finance 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-2410 Human Resource Management 3 credits
- BUS-2280 Introduction to Business Ethics 3 credits
- BUS-3131 Business Law I 3 credits
- BUS-3250 Organizational Behavior & Management 3 credits
- BUS-4720 Senior Seminar 3 credits
- ECO-2020 Macroeconomics 3 credits
- ECO-2030 Microeconomics 3 credits

Total for Core: 38 credits

Business students are strongly encouraged to take MAT-2030 Probability & Statistics and MAT-1221 Finite Mathematics to satisfy their core curriculum mathematics requirements.

Sport Management Concentration

This program recognizes that sports today is as much about marketing events and refining a brand as it is about working with players and scheduling events - and that strong business skills are essential for successful careers in the growing field of sport management. Students supplement a solid core of business courses with courses specifically related to the business side of sports. The program requires an internship and 18 credits beyond the 38 credit hours required for the core business major. Graduates hold a B.A. degree in business with a concentration in sport management. Career opportunities range from managing professional teams and arenas to overseeing the marketing and finances of sports groups.

- AHS-4030 Psychology of Sports & Exercise 3 credits
- BUS-3420 Athletic Facility & Event Management 3 credits
- BUS-3430 Sport & Society 3 credits
- BUS-4320 Sport Promotion & Branding 3 credits
- BUS-4810 Internship in Business Management 1-12 credits (6 credits)

Total for Concentration: 18 credits

Total Core and Concentration Credits: 56 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Management (A.S.)

This program looks at the four major functions of a manager-planning, organizing, leading and controlling-and prepares students for first-line managerial positions. Students also have the business course base to continue in the baccalaureate business management program.

Management Requirements

Required Courses

- ACC-2121 Financial Accounting 4 credits
- ACC-2122 Managerial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- CIS-1410 Intermediate Spreadsheets 3 credits
- BUS-2140 Personal Finance 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-2410 Human Resource Management 3 credits
- BUS-3131 Business Law I 3 credits
- ECO-2020 Macroeconomics 3 credits
- ECO-2030 Microeconomics 3 credits

Electives: 6 credits

- 2 departmental courses from ACC, BUS, CIS, ECO or HTM disciplines.

Total: 38 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Minor

Business Minor

This minor is available to non-Business majors only. All course choices and sequences should be discussed with an advisor in the Department of Business & Economics.

Required Courses

- ACC-2121 Financial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2140 Personal Finance 3 credits
- BUS-2230 Principles of Marketing 3 credits
- CIS-1410 Intermediate Spreadsheets 3 credits
- ECO-2020 Macroeconomics 3 credits

Take 2 of the following courses:

- BUS-3050 Principles of Sales 3 credits

- BUS-3060 Consumer Behavior 3 credits
- BUS-3070 Public Relations 3 credits
- BUS-3110 Ski Area Management & Design 3 credits
- BUS-3131 Business Law I 3 credits
- BUS-3150 Production/Operations Management 3 credits
- BUS-3210 Advertising 3 credits
- BUS-3230 Financial Management 3 credits
- BUS-3250 Organizational Behavior & Management 3 credits
- BUS-3310 Greening the Business Environment 3 credits
- BUS-3370 Business Organizational Communications 3 credits
- BUS-3390 Career Planning & Management 3 credits
- BUS-3420 Athletic Facility & Event Management 3 credits
- BUS-3430 Sport & Society 3 credits
- BUS-3910 Leadership & Quality 3 credits
- BUS-4030 Marketing Research 3 credits
- BUS-4070 Strategic Decision Making 3 credits
- BUS-4320 Sport Promotion & Branding 3 credits

Total: 25-26 credits

Certificate

Certificate of Proficiency in Accounting

JSC's Certificate of Proficiency in Accounting is a flexible and convenient way to earn the additional credits required to meet Vermont licensing standards that took effect July 1, 2014, and sit for the national CPA exam. Classes may be taken on campus, online or, through JSC's External Degree Program, on weekends in Montpelier, Rutland, St. Albans or Winooski.

The program of study is tailored to each student's situation in order to amass the required 150 credit hours, including 42 credits in accounting-related courses. A person with a B.A. degree in Business would still need to accrue the required additional 30 credits, even if he or she already has the 42 credits in accounting-related courses.

A full-time student could complete the certificate in one year: In two semesters if only 30 credits are needed, or in two semesters plus the summer if 42 credits are needed. Students enrolled in the certificate program are eligible for financial aid.

Students must complete the core business courses and the core accounting courses, at total of 43 credits, in order to earn the certificate of achievement in accounting.

Core Business Courses

- ACC-2121 Financial Accounting 4 credits
- ACC-2122 Managerial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2280 Introduction to Business Ethics 3 credits
- BUS-3131 Business Law I 3 credits
- BUS-3230 Financial Management 3 credits

- ECO-2020 Macroeconomics 3 credits
- ECO-2030 Microeconomics 3 credits

Total Core Business Courses: 26 credits

Core Accounting Courses

- ACC-2230 Federal Taxes 3 credits
- ACC-3025 Cost Management 3 credits
- ACC-3111 Advanced Intermediate Accounting I 4 credits
- ACC-3112 Advanced Intermediate Accounting II 4 credits
- ACC-4050 Auditing & Assurance Services 3 credits

Total Core Accounting Courses: 17 credits

Nonprofit Management Certificate

Johnson State College's Nonprofit Management Certification program is an innovative course of study that prepares students for careers in the nonprofit sector. To ensure its students' success, the nonprofit management certification provides leadership opportunities, internships, and financial aid. This program is designed to allow flexibility for the student by allowing the student to meet prescribed competencies in combination with course work and practical experience.

In addition to coursework, the nonprofit management certificate program emphasizes hands-on experience through internships, volunteer opportunities, leadership activities and professional development workshops. The experiences you'll have as a student in this program will give you an edge in the job market and prepare you to be a successful leader in the nonprofit field upon graduation. The blend of curricular and co-curricular activities focus on a variety of competency areas, including:

- Nonprofit Management
- Fundraising and Fiscal Management
- Human Resource and Volunteer Management
- Program Planning and Evaluation
- Public Relations and Marketing
- Board and Committee Development

Courses include:

- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-2410 Human Resource Management 3 credits
- ACC-2121 Financial Accounting 4 credits
- HTM-3150 Event Management 3 credits
- OER-3020 Program Planning in Outdoor Education 3 credits
- BUS-4180 Leadership & Management of Nonprofit Organizations
- BUS-4810 Internship in Business Management 1-12 credits

Requirements for certification include:

A total of 18 credits is required, six of which may be waived if the student demonstrates achievement in particular competency areas. A minimum of nine (9) credits must be taken through Johnson State College. A student may take no more than six (6) credits in any one area and must have a minimum of a C- in all courses. There are other co-curricular requirements and recommendations.

For more information on Johnson State College's Nonprofit Certification Program, including how to apply to the program, please contact Ellen Hill, Director, Experiential Learning at 802-635-1439.

Small Business Management Certificate

The program provides owners, operators, and employers with the knowledge and skills necessary to organize and operate successful small businesses. The program emphasizes management functions rather than operational techniques.

Required Courses

- ACC-2121 Financial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2210 Small Business Management 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-3131 Business Law I 3 credits

Total: 16 credits

Education

Faculty/Staff

David McGough, *Associate Professor*

Robert Schulze, *Assistant Professor*

Kathleen Brinegar, *Assistant Professor, Department Chair, Middle & Secondary Education Program Director, Interim Elementary Education Program Director, Licensure Officer*

Vicky Sanborn, *Staff Assistant*

The Education Department, housed in McClelland Hall on the JSC campus, has a long and celebrated history of preparing teachers and providing advance studies for working professionals. Our professors have the theoretical and practical background to help students become outstanding teachers and influential leaders in their field.

Working as a teacher in a public school in Vermont requires a Level I Professional Educator's License with an endorsement in a specific discipline at a designated level. The license is issued by the Vermont Agency of Education to candidates who successfully complete a Teacher Education Program and are recommended by their institution. Educators' licenses issued in Vermont are accepted by more than 40 other states, districts and territories through association with the National Association of State Directors of Teacher Education & Certification.

The JSC Education Department offers several Teacher Education Programs at the undergraduate and graduate levels. The undergraduate programs are:

- Childhood Education (B.A.), which provides K-6 licensure endorsement in both elementary and special education. Endorsement areas are **anthropology/sociology, art, biology, English, environmental science, health sciences, history, mathematics, music, political science, psychology** and **theater**.
- Secondary Teacher Licensure Endorsement, which prepares graduates to teach **English, mathematics, science** or **social studies** in grades 7-12. Students must earn an accompanying bachelor's degree in their area of endorsement.
- Unified Arts Teacher Licensure Endorsement, which prepares graduates to teach **art, dance, music, physical education** or **theater arts** in grades PreK-12. Students must earn an accompanying bachelor's degree in their area of endorsement.

In addition, a five-year, double major in Music Performance & Music Education (B.A.) is available through the Department of Fine & Performing Arts that provides licensure endorsement to teach music in grades preK-12. JSC also offers an M.A. in Education; see the Graduate Catalog for details.

Note: Acceptance into a Teacher Education Program at JSC requires a separate application. Being accepted by Johnson State College, declaring a major, or beginning a program of study does NOT constitute admission or acceptance into a Teacher Education Program. See the *Teacher Education Program Handbook, available from the Education Department, for complete details.*

Accreditation

All Teacher Education Programs at JSC are accredited by the Vermont Standards Board of Professional Educators. The accreditation process assures that candidates who are recommended for licensure meet all state standards for the license and the endorsement.

Theoretical Framework & Learning Pursuits

Applying to a Teacher Education Program at JSC

Advancing through a Teacher Education Program at JSC

The Education Department offers courses with an EDU designator. See full Course Descriptions. The department also offers an M.A. in Education; see the JSC Graduate Catalog for information.

Major

Childhood Education (B.A.); to teach Elementary & Special Education

The B.A. in Childhood Education prepares students to become K-6 teachers licensed in both Elementary Education and Special Education. With careful planning, a full-time student can complete the degree and earn both licensure endorsements in just four years. Graduates who successfully complete the degree become candidates for a Level I Professional Educator's License issued by the Vermont Agency of Education. This license is required in order to work as a public school teacher in Vermont; it also is recognized and accepted by more than 40 other states, districts and territories.

Through courses and practicum experiences, students learn the theories, research, standards and practices that provide a solid foundation for educators who are passionate about teaching, inclusive and progressive in their practices, modern and up to date in their techniques, and committed to social equity and the delivery of education to diverse learners. Careful attention is given to the growth of children as individuals whose perceptions, interests, joys, strengths and challenges are formed within a community and through meaningful engagement with others.

Students who intend to teach in grades K-6 must declare Childhood Education as their academic major and apply to JSC's **Teacher Education Program in Inclusive Elementary Education** after completing their first education course. *Important:* Declaring a major in Childhood Education is not the same as being accepted into this Teacher Education Program; see Applying to a Teacher Education Program at JSC below.

Most courses must be taken in a specific order; students should check advisement forms, program evaluations and prerequisites for details. Students must earn a B- or better in all courses marked with an asterisk (*). Each Teacher Education Workshop (TEW) is graded as Pass/No Pass.

Theoretical Framework & Learning Pursuits

Applying to a Teacher Education Program at JSC

Advancing through a Teacher Education Program at JSC

1. Required Childhood Education Courses

- EDU-2365 The Ecology of Human Experience: Development, Culture & Identity 3 credits *
- EDU-2370 The Contemporary School 3 credits *
- EDU-3125 Technology for Integrating Instruction 3 credits *
- EDU-3265 Instructional Dynamics for the Elementary Educator - Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Lessons; Part I: Language, Literacy, & Literature for Diverse Learners 3 credits * (spring)
- EDU-3266 Instructional Dynamics for the Elementary Educator - Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Lessons; Part II: Numeracy & Quantitative Reasoning for Diverse Learners 3 credits * (fall)
- EDU-3311 Foundations of Inclusive Practices 3 credits *
- EDU-3440 Teaching Toward Democracy 3 credits *
- EDU-4368 Classroom Strategies Practicum 3 credits *
- EDU-4630 Integrated Elementary Methods Practicum: Intention, Knowledge & Presence 9 credits *
- EDU-4650 Capstone & Thesis Seminar 3 credits *
- EDU-4820 Elementary Student Teaching II 12 credits *

Total: 48 credits

2. Required Education Courses

Complete the courses for the B.A. in Childhood Education plus the courses listed below. Check advisement forms, Program Evaluation and prerequisites for proper sequence. This course list is subject to change. Students must earn a B- or better in all courses marked with an asterisk (*). Each Teacher Education Workshop (TEW) is graded as Pass/No Pass.

- EDU-TEW1 Teacher Education Workshop 1: Introduction to Teacher Education 0 credits
- EDU-TEW2 Teacher Education Workshop 2: Application for Practicum I 0 credits
- EDU-TEW3 Teacher Education Workshop 3: Application for Practicum II 0 credits
- EDU-TEW4 Teacher Education Workshop 4: Application for student teaching 0 credits
- EDU-TEW5 Teacher Education Workshop 5: Application for a Verification Check 0 credits
- EDU-2360 Perspectives on Learning in a Diverse Society 3 credits *
- EDU-3032 Language, Culture, Literature, & Education 3 credits *
- EDU-3100 Literacy Intervention, Assessment & Strategies 3 credits *

Total: 9 credits

3. Required Inclusive Education Courses

In addition to the major in Childhood Education and the courses for the ELED Program, complete the courses below for the Inclusive ELED Program, which provides eligibility for an endorsement in Special Education, K-6, in addition to the Elementary Education endorsement. Students must earn a B- or better in all courses marked with an asterisk (*).

- EDU-3025 Evaluating Characteristics of Diverse Learners 3 credits *
- EDU-3300 Introduction to Classroom Management 1 credits (3 credits) *
- EDU-4051 Strategies to Promote Inclusive Practices 3 credits *
- EDU-4640 Special Education Practices & Procedures 3 credits *

Total: 12 credits

4. Required Arts & Sciences Background Components

Students must demonstrate competence in the following nine liberal arts and sciences areas. **Through careful selection, courses chosen to meet this requirement also may meet JSC General Education requirements.** Students should consult with their advisor and submit their course plan to the Inclusive Elementary Education Program Director for approval.

1. Composition Jump to this requirement.
2. Quantitative Skills Jump to this requirement.
3. Literature Jump to this requirement.
4. Historical Thinking & Citizenship Jump to this requirement.
5. Artistic Expression Jump to this requirement.
6. Scientific Thinking Jump to this requirement.
7. Diversity Studies Jump to this requirement.
8. Identity Studies Jump to this requirement.
9. Interdisciplinary Studies Jump to this requirement.

Composition Components (A & B)

Complete two requirements that demonstrate you understand the composing processes that writers use, the planning strategies most appropriate for particular kinds of writing, the dimensions of quality writing across various types of writing and the conventions of written English.

- **On-campus students** should complete (A) ENG-1072 Exposition & Analysis and (B) the Writing Proficiency Exam (ENG-3999) or ENG-2005 The Self-Sufficient Writer.
- **EDP students** should complete ENG-1220 Rhetorical Expression, or pass EDP-3999, Challenge Exam for ENG-1220.
 - Composition A: 3 credits
 - Composition B: 3 credits

Quantitative Skills Components (A & B)

- **Quantitative Skills A:** Complete coursework that demonstrates you understand numbers and operations, algebra and functions, geometry and measurement. For example, select from MAT-1020, MAT-1080, MAT-

1320, MAT-1531 or an equivalent course approved by your program director.

- **Quantitative Skills B:** Complete coursework that demonstrates you understand data analysis, statistics and probability. For example, take MAT-2030 Probability & Statistics or an equivalent course approved by your program director. (Note: MAT-2030 is a prerequisite for EDU-3266, a required core course.)
 - Quantitative Skills A: 3 credits
 - Quantitative Skills B: 3 credits

Literature Components (A & B)

- **Literature A:** Complete coursework that demonstrates you understand a wide variety of quality literature across genres, eras, cultures and subcultures, and literary elements and strategies for textual analysis. For example, select from ENG-1310, ENG-2171, ENG-2172, ENG-2321, ENG-2322 or an equivalent course approved by your program director.
- **Literature B:** Complete coursework that demonstrates you understand age-appropriate literature (PreK-Adolescence) and non-print media in multimodal formats (i.e., film, video, digital, graphic) across genres, eras, cultures and subcultures, with emphasis on multicultural literature, and literary elements and strategies for textual analysis of youth literature. This component is satisfied through EDU-3032 Language, Culture, Literature, & Education, which is a required course in this teacher-education program, or you may take an equivalent course approved by your program director.
 - Literature A: 3 credits
 - Literature B: 3 credits

Historical Thinking & Citizenship Component

Complete coursework that demonstrates you understand historical thinking and citizenship through study of American history, world history, American government or political science. For example, take HIS-1111, HIS-1112, HIS-1211, HIS-1212, POS-1010, POS-1020, or an equivalent course approved by your program director.

- Historical Thinking: 3 credits

Artistic Expression Component

Complete coursework that demonstrates you understand music, drama and the visual arts as expressions of human emotion and culture and as powerful forms of communication. For example, take ART-1011, ART-1140, ART-2110, ART-2251, ART-2301, ARH-2010, ARH-2060, DAN-1010, MUS-1015, MUS-1030, THA-1041 or an equivalent course approved by your program director.

- Artistic Expression: 3 credits

Scientific Thinking Components (A & B)

- **Scientific Thinking A:** Complete coursework that demonstrates you understand scientific thinking, the scientific-inquiry process, life sciences or physical sciences, and living and non-living systems. This component must include a 4-credit lab course. For example, take BIO-1210, BIO-1211, BIO-1212 or an equivalent 4-credit life or physical science course with a formal lab.
- **Scientific Thinking B:** Complete coursework that demonstrates you understand scientific thinking, the scientific-inquiry process, Earth, environmental and atmospheric sciences, and living and non-living systems.

For example, take ENV-1040, ENV-1050, BIO-3270 or an equivalent 3- or 4-credit Earth, environmental or atmospheric science course approved by your program director.

- Scientific Thinking A: 4 credits (must include a formal lab or field study)
- Scientific Thinking B: 3-4 credits

Diversity Studies Component

Complete coursework that demonstrates you understand how diversity and unity transact through culture across geographic regions. This component is satisfied through EDU-2365 The Ecology of Human Experience: Development, Culture & Identity, which is a required course in this major, or you may take an equivalent course approved by your program director.

- Diversity Studies: 3 credits

Identity Studies Component

Complete coursework that demonstrates you understand the humanistic quest for identity and interdependence. This component is satisfied through EDU-2360 Perspectives on Learning in a Diverse Society, which is a required course in this major, or you may take an equivalent course approved by your program director.

- Identity Studies: 3 credits

Interdisciplinary Studies Component

Complete coursework that demonstrates you understand how academic study can explore themes and concepts across disciplines as well as issues in our lives and in the wider world. For example, take any First-Year Seminar or designated General Education interdisciplinary course or an equivalent course approved by your program director.

- Interdisciplinary Studies: 3 credits

5. Required Second Major or Concentration

With the assistance of their advisor and the Inclusive Elementary Education Program Director, students are to select and complete one of the following as a second major or concentration. (Each concentration comprises 30 credits.) Students who choose a second major will have an advisor from the department which the major is housed.. Students must earn an overall GPA of B- or better in the major or concentration.

Choices for a Second Major

- Anthropology & Sociology (B.A.)
- Art (B.A.)
- Biology: Field Naturalist (B.A.)
- Biology: General (B.S.)
- Biology: Pre-Medical (B.S.)
- English (B.A.)
- Environmental Science: Environmental Analysis & Assessment (B.S.)
- Environmental Science: Environmental Policy & Advocacy (B.S.)
- General Studies (A.A.)
- Health Sciences: Health & Exercise Science (B.S.)

- Health Sciences: Physical Education (B.S.)
- Health Sciences: Pre-Physical Therapy (B.S.)
- History (B.A.)
- Music: Composition (B.A.)
- Music: Creative Pathways (B.A.)
- Music: Instrumental Performance, Classical (B.A.)
- Music: Instrumental Performance, Jazz/Contemporary (B.A.)
- Music: Sound Engineering (B.A.)
- Music: Vocal Performance, Classical (B.A.)
- Music: Vocal Performance, Jazz/Contemporary (B.A.)
- Political Science (B.A.)
- Psychology (B.A.)
- Theater & Drama (B.A.)

Choices for a 30-Credit Concentration

- Anthropology/Sociology Concentration, Childhood Ed.
- Art Concentration, Childhood Ed.
- Biology Concentration, Childhood Ed.
- English Concentration, Childhood Ed.
- Environmental Science Concentration, Childhood Ed.
- Health Sciences Concentration, Childhood Ed.
- History Concentration, Childhood Ed.
- Mathematics Concentration, Childhood Ed.
- Music Concentration, Childhood Ed.
- Political Science Concentration, Childhood Ed.
- Psychology Concentration, Childhood Ed.
- Theater Concentration, Childhood Ed.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Teaching Endorsement

Secondary Teacher License Endorsement

Johnson State College offers Secondary Teacher Education Programs that prepare students to teach in their area of endorsement -- **English, mathematics, science or social studies** -- to students in grades PreK-12. Graduates who successfully complete one of these programs become candidates for a Level I Professional Educator's License issued by the Vermont Agency of Education. This license is required in order to work as a public school teacher in Vermont; it also is recognized and accepted by more than 40 other states, districts and territories.

All students seeking Secondary Teacher Licensure Endorsement must:

- Successfully complete all Required Teacher Education Core Courses;

- Successfully complete the Required Secondary Education Core Courses ;
- Select one of the four Secondary Education Endorsement Areas and successfully complete an approved major for that endorsement -- including all requirements for the bachelor's degree and the General Education and Graduation Requirements -- with a cumulative 3.0 GPA or better and a 3.0 GPA in the major; and
- Successfully complete the Required Content-Area Courses for their chosen area of endorsement.

With careful planning, these requirements can be met for most programs within a four-year plan of study. Most courses must be taken in a specific order; students should check advisement forms, program evaluations and prerequisites for details. Students must earn a B- or better in all courses marked with an asterisk (*). Each Teacher Education Workshop (TEW) is graded as Pass/No Pass.

Theoretical Framework & Learning Pursuits

Applying to a Teacher Education Program at JSC

Advancing through a Teacher Education Program at JSC

1. Required Teacher Education Core Courses

- EDU-TEW1 Teacher Education Workshop 1: Introduction to Teacher Education 0 credits
- EDU-TEW2 Teacher Education Workshop 2: Application for Practicum I 0 credits
- EDU-TEW3 Teacher Education Workshop 3: Application for Practicum II 0 credits
- EDU-TEW4 Teacher Education Workshop 4: Application for student teaching 0 credits
- EDU-TEW5 Teacher Education Workshop 5: Application for a Verification Check 0 credits
- EDU-2360 Perspectives on Learning in a Diverse Society 3 credits *
- EDU-2365 The Ecology of Human Experience: Development, Culture & Identity 3 credits *
- EDU-2370 The Contemporary School 3 credits *
- EDU-3311 Foundations of Inclusive Practices 3 credits *
- EDU-3440 Teaching Toward Democracy 3 credits *
- EDU-4650 Capstone & Thesis Seminar 3 credits *

Total: 18 credits

2. Required Secondary Education Core Courses

- EDU-3140 Partnering with the Adolescent Learner to Promote Student Engagement 4 credits
- EDU-3360 Promoting Inventive Thinking: Integrating Multimodal Literacy Across the Curriculum 3 credits
- EDU-4130 Implementing Content Specific Methods in a Secondary Classroom 4 credits
- EDU-4850 Secondary Education Student Teaching 12 credits

3. Required Major for Endorsement Area

In addition to the preceding courses, students must successfully complete all Required Content-Area Courses **AND** a bachelor's degree in a major approved for their area of endorsement, as specified below.

Area of Endorsement	Approved Major(s)

English Education See Required Content-Area Courses for this endorsement.	B.F.A. in Creative Writing or B.A. in English
Mathematics Education See Required Content-Area Courses for this endorsement.	B.S. in Mathematics
Science Education See Required Content-Area Courses for this endorsement.	B.A. in Biology: Field Naturalist, B.S. in Biology: General, B.S. in Biology: Pre-Medical, B.S. in Health Sciences: Health & Exercise Science, B.S. in Health Sciences: Physical Education, B.S. in Health Sciences: Pre-Physical Therapy, B.S. in Environmental Science: Analysis & Assessment, or B.S. in Environmental Science: Policy & Advocacy
Social Studies Education See Required Content-Area Courses for this endorsement.	B.A. in History or B.A. in Political Science

4. Required Content Courses for Area of Endorsement

In addition to successfully completing an approved *major or 30-credit concentration* for their area of endorsement, students must take the *content-area courses* required for their area of endorsement. Some of these courses may meet requirements for the major as well. With the approval of the Secondary Education Program Director, appropriate course substitutions may be permitted.

English Education: Required Content-Area Courses

- EDU-3032 Language, Culture, Literature, & Education 3 credits
- EDU-3100 Literacy Intervention, Assessment & Strategies 3 credits
- ENG-1310 Introduction to Literature 3 credits
- ENG-3435 Practical Grammar 3 credits
- ENG-3565 Shakespeare 3 credits
- ENG-4150 Literary Criticism & Theory 3 credits

Take 3 of the following courses:

- ENG-2172 World Literature II 3 credits
- ENG-2171 World Literature I 3 credits
- ENG-2281 Survey of English Literature I 3 credits
- ENG-2282 Survey of English Literature II 3 credits
- ENG-2283 Survey of English Literature III 3 credits
- ENG-2321 Survey of American Literature I 3 credits
- ENG-2322 Survey of American Literature II 3 credits
- ENG-2510 Women & Literature 3 credits

Take 1 of the following courses:

- ENG-2101 Creative Writing 3 credits
- ENG-3120 Poetry Workshop 3 credits
- ENG-3130 Fiction Workshop 3 credits
- ENG-4110 The Form & Theory of Fiction 3 credits
- ENG-4120 The Form & Theory of Poetry 3 credits

Take 1 of the following courses:

- ENG-3140 The Creative Essay 3 credits
- ENG-4130 The Form & Theory of Nonfiction 3 credits

Take 2 of the following literature courses:

- ENG-3270 Myth & Myth Making 3 credits
- ENG-3320 The English Novel 3 credits
- ENG-3345 Contemporary Canadian Literature 3 credits
- ENG-3380 British Romantic Literature 3 credits
- ENG-3390 Literature of the Grotesque 3 credits
- ENG-3395 Satire in Literature 3 credits
- ENG-3435 Practical Grammar 3 credits
- ENG-3480 Modern Literature 3 credits
- ENG-3510 Contemporary Literature 3 credits
- ENG-3520 American Poetry 3 credits
- ENG-3525 Victorian Literature 3 credits
- ENG-3530 The American Novel 3 credits
- ENG-3565 Shakespeare 3 credits
- ENG-3580 African American Literature 3 credits
- ENG-4720 Seminar in Literature 3 credits

Mathematics Education: Required Content-Area Courses

In addition to successfully completing B.S. in Mathematics, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Secondary Education Program Director, appropriate course substitutions may be permitted.

- MAT-1531 Calculus I 4 credits
- MAT-2020 Mathematical Reasoning 3 credits
- MAT-2030 Probability & Statistics 3 credits
- MAT-2532 Calculus II 4 credits
- MAT-3210 Linear Algebra 3 credits
- MAT-3240 Probability Theory with Statistics 3 credits
- MAT-4130 Abstract Algebra 3 credits
- MAT-4140 Geometry 3 credits

Science Education: Required Content-Area Courses

In addition to successfully completing one of the approved majors for this endorsement (the B.F.A. in Creative Writing, B.A. in Biology: Field Naturalist, B.S. in Biology: General, B.S. in Biology: Pre-Medical, B.S. in Health Sciences: Health & Exercise Science, B.S. in Health Sciences: Physical Education, B.S. in Health Sciences: Pre-Physical Therapy, B.S. in Environmental Science: Analysis & Assessment or B.S. in Environmental Science: Policy & Advocacy, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Secondary Education Program Director, appropriate course substitutions may be permitted.

- CHE-1031 General Chemistry I 4 credits
- ENV-1050 Introduction to Earth Science 4 credits
- PHY-1041 Physics I 4 credits

Take 1 of the following courses:

- BIO-1210 Introduction to Biology 4 credits
- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits

Take 1 of the following courses:

- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits
- BIO-2340 Fundamentals of Ecology 4 credits
- BIO-3260 Limnology 4 credits
- ENV-3130 Environmental Geology 4 credits

Social Studies Education: Required Content-Area Courses

In addition to successfully completing either the B.A. in History or the B.A. in Political Science, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Secondary Education Program Director, appropriate course substitutions may be permitted.

- HIS-1111 World History I 3 credits
- HIS-1112 World History II 3 credits
- HIS-1211 American History I 3 credits
- HIS-1212 American History II 3 credits

Take 1 of the following courses:

- POS-1010 Introduction to Political Science 3 credits
- POS-1020 American Politics & Government 3 credits

Take 2 of the following courses:

- ANT-1010 Introduction to Cultural Anthropology 3 credits
- GEO-1010 Introduction to Geography 3 credits
- HUM-3125 Religions of the World 3 credits
- POS-1030 Comparative Government 3 credits
- POS-2040 International Relations 3 credits

- POS-3230 Third World Politics 3 credits

Take 2 of the following courses:

- HIS-3420 French Revolution 3 credits
- INT-3210 The Holocaust: An Interdisciplinary Approach 3 credits
- POS-1040 African-American History & Politics 3 credits
- POS-3040 The Politics of Gender 3 credits
- POS-3070 Terrorism, Religion & the Nation-State 3 credits
- POS-3220 Genocide: Inhumanity Across the Ages 3 credits

Take 1 of the following courses:

- ECO-1020 Introduction to Economics 3 credits
- ECO-2020 Macroeconomics 3 credits
- ECO-2030 Microeconomics 3 credits
- POS-2050 International Economics & Politics 3 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Unified Arts Teacher License Endorsement

Johnson State College offers Unified Arts Teacher Education Programs that prepare students to teach in their area of endorsement -- **art, dance, music, physical education** or **theater arts** -- to students in grades PreK-12. Graduates who successfully complete one of these programs become candidates for a Level I Professional Educator's License issued by the Vermont Agency of Education. This license is required in order to work as a public school teacher in Vermont; it also is recognized and accepted by more than 40 other states, districts and territories.

All students seeking Unified Arts teaching licensure must:

- Successfully complete all Required Teacher Education Core Courses;
- Successfully complete the Required Unified Arts Education Core Courses;
- Select one of the five Unified Arts Endorsement Areas and successfully complete an approved major for that endorsement -- including all requirements for the bachelor's degree and the General Education and Graduation Requirements -- with a cumulative 3.0 GPA or better and a 3.0 GPA in the major; and
- Successfully complete the Required Content-Area Courses for their chosen area of endorsement.

With careful planning, these requirements can be met for most programs within a four-year plan of study. Most courses must be taken in a specific order; students should check advisement forms, program evaluations and prerequisites for details. Students must earn a B- or better in all courses marked with an asterisk (*). Each Teacher Education Workshop (TEW) is graded as Pass/No Pass.

Theoretical Framework & Learning Pursuits

Applying to a Teacher Education Program at JSC

Advancing through a Teacher Education Program at JSC

1. Required Teacher Education Core Courses

- EDU-TEW1 Teacher Education Workshop 1: Introduction to Teacher Education 0 credits
- EDU-TEW2 Teacher Education Workshop 2: Application for Practicum I 0 credits
- EDU-TEW3 Teacher Education Workshop 3: Application for Practicum II 0 credits
- EDU-TEW4 Teacher Education Workshop 4: Application for student teaching 0 credits
- EDU-TEW5 Teacher Education Workshop 5: Application for a Verification Check 0 credits
- EDU-2360 Perspectives on Learning in a Diverse Society 3 credits *
- EDU-2365 The Ecology of Human Experience: Development, Culture & Identity 3 credits *
- EDU-2370 The Contemporary School 3 credits *
- EDU-3311 Foundations of Inclusive Practices 3 credits *
- EDU-3440 Teaching Toward Democracy 3 credits *
- EDU-4650 Capstone & Thesis Seminar 3 credits *

Total: 18 credits

2. Required Unified Arts Core Courses

- EDU-3112 Instructional Dynamics for the Elementary Educator: Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Learners; Part III: Unified Arts for Diverse Learners 3 credits
- EDU-4310 The Art of Experience in Education: Designing for Engagement & Accomplishment through the Unified Arts 3 credits

3. Required Major for Unified Arts Endorsement Area

In addition to the preceding courses, students must successfully complete all Required Content-Area Courses **AND** a bachelor's degree in a major approved for their area of endorsement, as specified below.

Area of Endorsement	Approved Major(s)
Art Education See Required Content-Area Courses for this endorsement.	B.A. in Art or B.F.A. in Studio Arts
Dance Education See Required Content-Area Courses for this endorsement.	<i>Major arranged in consultation with the Unified Arts Education Coordinator</i>
Music Education See Required Content-Area Courses for this endorsement.	B.A. in Music Performance & Music Education
Physical Education See Required Content-Area Courses for this endorsement.	B.S. in Health Sciences: Physical Education
Theater Arts Education See Required Content-Area Courses for this endorsement.	B.A. in Theater & Drama

4. Required Content Courses for Endorsement Area

In addition to successfully completing an approved *major* for their area of endorsement, students must take the *content-area courses* required for their area of endorsement. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Program Director, appropriate course substitutions may be permitted.

Art Education: Required Content-Area Courses

In addition to successfully completing either the B.A. in Art or the B.F.A. in Studio Arts, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- ARH-2010 Survey of Western Traditions in Art 3 credits
- ARH-2060 Survey of Non-Western Traditions in Art 3 credits
- ART-1011 Drawing I 3 credits
- ART-1140 Design 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- ART-2211 Painting I 3 credits
- ART-2251 Sculpture I 3 credits
- ART-3032 Advanced Drawing 3 credits
- ART-3120 Elementary Art Education Methods 3 credits
- ART-3140 Secondary Art Education Methods 3 credits
- EDU-4812 Art Student Teaching 12 credits

Additional requirement for B.A. in Art majors:

- ARH-4720 Seminar in Contemporary Art Issues 3 credits

Additional requirement for B.F.A. in Studio Arts majors:

- ART-4730 B.F.A. Seminar 3 credits

Dance Education: Required Content-Area Courses

Students seeking this endorsement consult with the Unified Arts Education Program Director to select an appropriate major. They also must take the following content-area courses, some of which may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- DAN-1010 Fundamentals of Dance 3 credits
- DAN-2040 Beginning Tap Dance 2 credits
- DAN-3020 Intermediate Ballet: Technique & History 3 credits
- DAN-3030 Improvisation/Composition: Intermediate/Advanced Level 4 credits
- DAN-3032 Body Awareness II 3 credits
- DAN-3112 Intermediate Modern Dance: Technique & History 3 credits
- DAN-3130 Jazz Dance 3 credits
- DAN-3180 Folk Dance II 3 credits
- DAN-4130 Advanced Ballet/Modern Dance: Technique & History 3 credits

- EDU-4850 Secondary Education Student Teaching 12 credits

Take 1 of the following courses:

- DAN-3010 The Renaissance Spirit 3 credits
- DAN-3210 The Emperor Ain't Naked: A History of Western European Fashion & Social Dance from the Mid- 14th Century to the Early 20th Century 3 credits

Physical Education: Required Content-Area Courses

In addition to successfully completing the B.S. in Health Sciences: Physical Education, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- AHS-1010 Contemporary Health Issues 3 credits
- AHS-3120 Kinesiology 3 credits
- AHS-3230 Physiology of Exercise 4 credits
- AHS-4030 Psychology of Sports & Exercise 3 credits
- BIO-3180 Nutrition 3 credits
- DAN-1010 Fundamentals of Dance 3 credits
- OER-2140 Ropes Course Leadership 2 credits
- PED-1150 Foundations of Physical Education 3 credits
- PED-2030 Educational Games, Dance & Gymnastics 2 credits
- PED-2040 Team Sports 2 credits
- PED-2110 Individual, Dual & Lifetime Activities 2 credits
- PED-3120 Measurement & Evaluation 3 credits
- PED-3070 Methods of Teaching Elementary Physical Education 4 credits
- PED-3140 Methods of Teaching Secondary School Physical Education 4 credits
- EDU-4812 Art Student Teaching 12 credits
- EDU-4835 Physical Education Student Teaching 12 credits

Music Education: Required Content-Area Courses

In addition to successfully completing the B.A. in Music Performance & Music Education, students must choose a concentration and take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1120 Applied Music Lessons 1 credits (2 credits) (in violin, viola, cello)
- MUS-1231 Music Theory I 3 credits
- MUS-1232 Music Theory II 3 credits
- MUS-2023 Ear Training III 1 credits
- MUS-2024 Ear Training IV 1 credits
- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits)

- MUS-2361 Instrumental Techniques I 3 credits
- MUS-2362 Instrumental Techniques II 3 credits
- MUS-3031 History of Western Music I 3 credits
- MUS-3032 History of Western Music II 3 credits
- MUS-3140 Arranging/Orchestration 3 credits
- MUS-3160 Elementary School Music Methods 3 credits
- MUS-3210 Secondary School Music Methods 3 credits
- MUS-3330 Worlds of Music 3 credits
- MUS-3401 Conducting I 3 credits
- MUS-3402 Conducting II 3 credits
- MUS-4720 Senior Recital 2 credits
- EDU-4830 Music Student Teaching 12 credits

Applied Music Lessons: 12 credits

(12 credits in one area: vocal, instrumental or music composition)

- MUS-1120 Applied Music Lessons 1 credits
- MUS-1120L Applied Music Lesson Lab 0 credits
- MUS-3240 Applied Music Lessons 2 credits
- MUS-4030 Applied Music Lessons 3 credits

Additional requirements for the Classical concentration:

- MUS-2053 Keyboard Harmony III 1 credits
- MUS-2054 Keyboard Harmony IV 1 credits
- MUS-2313 Music Theory III 3 credits
- MUS-2314 Music Theory IV 3 credits

Additional requirements for the Jazz/Contemporary concentration:

- MUS-2013 Jazz/Contemporary Theory & Improvisation III 3 credits
- MUS-2014 Jazz/Contemporary Theory & Improvisation IV 3 credits
- MUS-2211 Jazz/Contemporary Keyboard III 1 credits
- MUS-2212 Jazz/Contemporary Keyboard IV 1 credits
- MUS-3040 Jazz in America 3 credits

Theater Arts: Required Content-Area Courses

In addition to successfully completing the B.A. in Theater & Drama, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- THA-1040 Interpreting Contemporary Dramatic Literature 3 credits
- THA-1041 Introduction to Theater Arts 3 credits
- THA-1111 Stagecraft 3 credits
- THA-2030 Costume History & Design 3 credits

- THA-2035 Costume Construction & Stage Makeup 3 credits
- THA-2040 Performance & Production Lab 3 credits
- THA-2121 Acting I 3 credits
- THA-2121L Acting I Lab 1 credits
- THA-2122 Acting II 3 credits
- THA-3010 Shakespeare: On the Stage & On the Page 3 credits
- THA-3030 Children's Theater 3 credits
- THA-3110 Dramatic Literature: Classical/Modern 3 credits
- THA-3123 Acting III 3 credits
- THA-3130 Introduction to Scene Design & Stage Lighting 3 credits
- THA-3140 Theater History 3 credits
- THA-3150 Introduction to Stage Management 3 credits
- THA-3210 Introduction to Directing 4 credits
- THA-4720 Senior Project in Theater 3 credits
- EDU-4850 Secondary Education Student Teaching 12 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Environmental & Health Sciences

Faculty/Staff

Tania Bacchus, *Professor*
 Elizabeth Dolci, *Professor, Department Chair*
 Robert Genter, *Professor*
 Leslie Kanat, *Professor*
 Brad Moskowitz, *Professor*
 Karen Uhlendorf, *Professor*
 Hans Haverkamp, *Associate Professor*
 John Pellerin, *Associate Professor*
 Amy Welch, *Associate Professor*
 Karen Jones, *Administrative Assistant*

The Department of Environmental & Health Sciences offers courses with the following designators: AHS (allied health science), BIO (biology), CHE (chemistry), ENV (environmental science), GEY (geology), OER (outdoor education and recreation), PED (physical education), PHY (physics) and SCI (science). See full Course Descriptions.

Major

Biology: Field Naturalist (B.A.)

The B.A. in biology is designed for students who want to become a field naturalist. Field naturalists have a broad knowledge of ecology, organismal biology, field geology, environmental chemistry, conservation biology and wildlife management. Field naturalist majors are particularly well qualified for environmental education and research positions

for state or federal environmental conservation agencies, private conservation organizations, consulting firms and environmental education institutions.

Learning Outcomes for Biology: Field Naturalist Majors

The B.A. in the field naturalist program seeks to produce graduates who:

- Critically read, evaluate and synthesize information from relevant biological and environmental literature;
- Observe, identify and measure the living and physical aspects of the natural environment using scientific methods; and
- Are able to articulate in written, oral and graphical form the characteristics of natural environments and human interactions with them.

Bachelor of Science in Biology

The study of biology serves all college majors and professionals by preparing them to understand and deal with the many biological concepts, issues and problems in their fields. Our program is designed to introduce the core sub-disciplines of biology and to offer advanced studies in organismal, human, molecular and environmental biology. Microbiologists, physiologists, zoologists, molecular biologists, field naturalists, ecologists, marine biologists, agricultural scientists, foresters, wildlife managers, physicians, therapists, nutritionists, toxicologists, science writers and teachers are a sample of the professionals who commonly begin as biology majors.

Students in the biology program explore outdoor laboratories ranging from the College's Babcock Nature Preserve to areas as diverse as tropical ecosystems and the American west. On campus, our program is supported by teaching laboratories, a greenhouse, an artificial stream laboratory, a cellular and molecular laboratory, and extensive herbarium and vertebrate museum collections.

The research activities of the faculty include understanding cell behavior at the molecular level, classification of plants, improving teaching in biology, vertebrate ecology and studying environmental pollution.

The B.S. program is designed for students who desire a comprehensive training in the life sciences leading to areas in education, research or medicine. Students who complete the required education courses for secondary licensure are eligible to teach science for grades 7-12 in the public schools.

Learning Outcomes for Biology Majors

The B.S. in the biology program seeks to produce graduates who:

- Demonstrate basic knowledge: Students will understand the fundamental concepts of each of the following biological disciplines and the relationships among them: organismal biology, ecology, cellular/molecular biology and evolution.
- Apply the scientific method: Students will design and carry out a research study that incorporates the major steps in the scientific method of investigation.
- Communicate in science: Students will communicate effectively both in scientific writing and oral presentations.
- Have values and ethics: Students will apply ethical guidelines in professional and societal behavior.

Biology Requirements

Required Courses (42 credits)

- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits * +

- BIO-4920 Senior Thesis 3 credits **OR**
- BIO-4810 Internship in Biology 1-12 credits (3 credits)

- CHE-1031 General Chemistry I 4 credits *
- CHE-1032 General Chemistry II 4 credits *
- CHE-3111 Organic Chemistry I 4 credits *
- CHE-3112 Organic Chemistry II 4 credits *
- ENV-2210 Current Topics in Science 1 credits (3 semesters)
- MAT-1531 Calculus I 4 credits *
- PHY-1041 Physics I 4 credits *
- PHY-1042 Physics II 4 credits *

Note:

* These courses also fulfill requirements in the Environmental Science, Health Sciences, Outdoor Education and Wellness & Alternative Medicine programs.

Biology: Field Naturalist Requirements

Required Courses

- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits +
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits * +
- BIO-2145 Plant Biology 4 credits
- BIO-2310 Invertebrate & Vertebrate Zoology 4 credits
- BIO-2340 Fundamentals of Ecology 4 credits *

- BIO-3720 Current Topics in Biology 1 credits (spring only) **OR**
- ENV-2210 Current Topics in Science 1 credits (fall only)

- BIO-4810 Internship in Biology 1-12 credits (3-12 credits) **OR**
- BIO-4920 Senior Thesis 3 credits (3-12 credits)

- CHE-1032 General Chemistry II 4 credits * +
- CHE-1031 General Chemistry I 4 credits *
- ENV-1050 Introduction to Earth Science 4 credits * +
- ENV-1110 Introduction to Environmental Problems 3 credits *
- ENV-2050 The Natural History of Vermont 3 credits *

Electives

(select a minimum of 4 courses from the following)

- BIO-3110 Field Ornithology 3 credits * **OR**
- BIO-3320 Ornithology 4 credits

- BIO-3160 Animal Behavior 4 credits
- BIO-3170 Mammalogy 4 credits
- BIO-3260 Limnology 4 credits
- BIO-3280 Environmental Toxicology 4 credits
- BIO-3290 Conservation Biology 3 credits
- BIO-3310 Wildlife Field Methods 4 credits *
- ENV-3220 Environmental Interpretation 3 credits *
- ENV-3310 Applications in GIS 4 credits
- GEY-3120 Field Geology 4 credits *

Total: 55-67 credits

**These courses may fulfill requirements in the ENV, HSC, OER and WAM programs.*

+These courses also fulfill the General Education Core Curriculum requirements.

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the B.A. in Biology: Field Naturalist, B.S. in Biology: General, B.S. in Biology: Pre-Medical, B.S. in Health Sciences: Physical Education, B.S. in Health Sciences: Pre-Physical Therapy, B.S. in Environmental Science: Analysis & Assessment, or B.S. in Environmental Science: Policy & Advocacy), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Biology: General (B.S.)

Bachelor of Science in Biology

The study of biology serves all college majors and professionals by preparing them to understand and deal with the many biological concepts, issues and problems in their fields. Our program is designed to introduce the core sub-disciplines of biology and to offer advanced studies in organismal, human, molecular and environmental biology. Microbiologists, physiologists, zoologists, molecular biologists, field naturalists, ecologists, marine biologists, agricultural scientists, foresters, wildlife managers, physicians, therapists, nutritionists, toxicologists, science writers and teachers are a sample of the professionals who commonly begin as biology majors.

Students in the biology program explore outdoor laboratories ranging from the College's Babcock Nature Preserve to areas as diverse as tropical ecosystems and the American west. On campus, our program is supported by teaching

laboratories, a greenhouse, an artificial stream laboratory, a cellular and molecular laboratory, and extensive herbarium and vertebrate museum collections.

The research activities of the faculty include understanding cell behavior at the molecular level, classification of plants, improving teaching in biology, vertebrate ecology and studying environmental pollution.

The B.S. program is designed for students who desire a comprehensive training in the life sciences leading to areas in education, research or medicine. Students who complete the required education courses for secondary licensure are eligible to teach science for grades 7-12 in the public schools.

Learning Outcomes for Biology Majors

The B.S. in the biology program seeks to produce graduates who:

- Demonstrate basic knowledge: Students will understand the fundamental concepts of each of the following biological disciplines and the relationships among them: organismal biology, ecology, cellular/molecular biology and evolution.
- Apply the scientific method: Students will design and carry out a research study that incorporates the major steps in the scientific method of investigation.
- Communicate in science: Students will communicate effectively both in scientific writing and oral presentations.
- Have values and ethics: Students will apply ethical guidelines in professional and societal behavior.

Biology Requirements

Required Courses (42 credits)

- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits * +

- BIO-4920 Senior Thesis 3 credits **OR**
- BIO-4810 Internship in Biology 1-12 credits (3 credits)

- CHE-1031 General Chemistry I 4 credits *
- CHE-1032 General Chemistry II 4 credits *
- CHE-3111 Organic Chemistry I 4 credits *
- CHE-3112 Organic Chemistry II 4 credits *
- ENV-2210 Current Topics in Science 1 credits (3 semesters)
- MAT-1531 Calculus I 4 credits *
- PHY-1041 Physics I 4 credits *
- PHY-1042 Physics II 4 credits *

Note:

* These courses also fulfill requirements in the Environmental Science, Health Sciences, Outdoor Education and Wellness & Alternative Medicine programs.

General Biology Concentration

Required Courses

- BIO-2340 Fundamentals of Ecology 4 credits
- BIO-3220 Genetics 4 credits

Electives (Select a minimum of 1 course from each set.)

Set 1: Mathematics

- MAT-2030 Probability & Statistics 3 credits +
- MAT-2532 Calculus II 4 credits

Set 2: Cell/Molecular Biology

- BIO-3125 Biological Chemistry 4 credits
- BIO-3130 Cellular Biology: A Molecular Approach 4 credits *
- BIO-3140 Microbiology 4 credits *

Set 3: Organismal Biology

- BIO-2011 Human Anatomy & Physiology I 4 credits
- BIO-2012 Human Anatomy & Physiology II 4 credits
- BIO-2145 Plant Biology 4 credits
- BIO-2310 Invertebrate & Vertebrate Zoology 4 credits
- BIO-3160 Animal Behavior 4 credits
- BIO-3170 Mammalogy 4 credits
- BIO-3320 Ornithology 4 credits

Set 4: Ecology/Evolution

- BIO-3260 Limnology 4 credits
- BIO-3280 Environmental Toxicology 4 credits *
- BIO-3290 Conservation Biology 3 credits

Total: 64-66 credits

**These courses also fulfill requirements in the ENV, HSC, OER and WAM programs.*

+These courses also fulfill the General Education Core Curriculum requirements.

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the B.A. in Biology: Field Naturalist, B.S. in Biology: General, B.S. in Biology: Pre-Medical, B.S. in Health Sciences: Physical Education, B.S. in Health Sciences: Pre-Physical Therapy, B.S. in Environmental Science: Analysis & Assessment, or B.S. in Environmental Science: Policy & Advocacy), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Biology: Pre-Medical (B.S.)

Bachelor of Science in Biology

The study of biology serves all college majors and professionals by preparing them to understand and deal with the many biological concepts, issues and problems in their fields. Our program is designed to introduce the core sub-disciplines of biology and to offer advanced studies in organismal, human, molecular and environmental biology. Microbiologists, physiologists, zoologists, molecular biologists, field naturalists, ecologists, marine biologists, agricultural scientists, foresters, wildlife managers, physicians, therapists, nutritionists, toxicologists, science writers and teachers are a sample of the professionals who commonly begin as biology majors.

Students in the biology program explore outdoor laboratories ranging from the College's Babcock Nature Preserve to areas as diverse as tropical ecosystems and the American west. On campus, our program is supported by teaching laboratories, a greenhouse, an artificial stream laboratory, a cellular and molecular laboratory, and extensive herbarium and vertebrate museum collections.

The research activities of the faculty include understanding cell behavior at the molecular level, classification of plants, improving teaching in biology, vertebrate ecology and studying environmental pollution.

The B.S. program is designed for students who desire a comprehensive training in the life sciences leading to areas in education, research or medicine. Students who complete the required education courses for secondary licensure are eligible to teach science for grades 7-12 in the public schools.

Learning Outcomes for Biology Majors

The B.S. in the biology program seeks to produce graduates who:

- Demonstrate basic knowledge: Students will understand the fundamental concepts of each of the following biological disciplines and the relationships among them: organismal biology, ecology, cellular/molecular biology and evolution.
- Apply the scientific method: Students will design and carry out a research study that incorporates the major steps in the scientific method of investigation.
- Communicate in science: Students will communicate effectively both in scientific writing and oral presentations.
- Have values and ethics: Students will apply ethical guidelines in professional and societal behavior.

Biology Requirements

Required Courses (42 credits)

- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits * +

- BIO-4920 Senior Thesis 3 credits **OR**
- BIO-4810 Internship in Biology 1-12 credits (3 credits)
- CHE-1031 General Chemistry I 4 credits *
- CHE-1032 General Chemistry II 4 credits *
- CHE-3111 Organic Chemistry I 4 credits *
- CHE-3112 Organic Chemistry II 4 credits *
- ENV-2210 Current Topics in Science 1 credits (3 semesters)
- MAT-1531 Calculus I 4 credits *
- PHY-1041 Physics I 4 credits *
- PHY-1042 Physics II 4 credits *

Note:

* These courses also fulfill requirements in the Environmental Science, Health Sciences, Outdoor Education and Wellness & Alternative Medicine programs.

Pre-Medical Concentration

Take a minimum of 16 credits from the following courses:

- AHS-3050 Introduction to Pharmacology 3 credits
- AHS-3230 Physiology of Exercise 4 credits
- AHS-3120 Kinesiology 3 credits
- BIO-2011 Human Anatomy & Physiology I 4 credits
- BIO-2012 Human Anatomy & Physiology II 4 credits
- BIO-2310 Invertebrate & Vertebrate Zoology 4 credits
- BIO-3125 Biological Chemistry 4 credits
- BIO-3130 Cellular Biology: A Molecular Approach 4 credits
- BIO-3140 Microbiology 4 credits
- BIO-3180 Nutrition 3 credits
- BIO-3220 Genetics 4 credits
- MAT-2030 Probability & Statistics 3 credits
- MAT-2532 Calculus II 4 credits

Total: 58 credits

Additional Recommended Courses

Medical schools generally look for students who have a solid liberal education. Courses in humanities and the social sciences are strongly recommended including:

- PSY-1010 Introduction to Psychology 3 credits
- PSY-3330 Psychology of Addictions 3 credits
- PSY-4010 Biological Psychology 3 credits
- SOC-1010 Introduction to Sociology 3 credits
- SOC-3060 Sexuality & Intimacy 3 credits

Total including recommended courses above: 73 credits

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the B.A. in Biology: Field Naturalist, B.S. in Biology: General, B.S. in Biology: Pre-Medical, B.S. in Health Sciences: Physical Education, B.S. in Health Sciences: Pre-Physical Therapy, B.S. in Environmental Science: Analysis & Assessment, or B.S. in Environmental Science: Policy & Advocacy), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Environmental Science: Environmental Analysis & Assessment (B.S.)

Bachelor of Science in Environmental Science

Environmental science is an interdisciplinary field that provides an integrative and quantitative approach to the exploration of the biological, physical and societal aspects that govern the natural environment. The science faculty conduct research and provide instruction in ecology, meteorology, biology, chemistry, physics and geoscience. Lectures, laboratory work, fieldwork, internships and faculty-mentored student research prepare students for careers in private industry, government agencies, or graduate education. The fundamentals of the science frame the discussion for policy decisions and social action. In addition, a 7-12 science education program is available for this major.

There are two concentrations within this major. The Environmental Analysis and Assessment concentration offers students a curriculum that focuses more heavily on laboratory and field courses, and prepares students for more technically orientated positions in the environmental field and for graduate programs in the sciences. The Environmental Policy and Advocacy concentration prepares students for job opportunities in business, education and government, primarily in the management of natural resources and the development of public policy. We recognize the importance and benefits of internships and all of our majors will be encouraged to participate with this type of opportunity.

Learning Outcomes for Environmental Science Majors

The B.S. in Environmental Science, with a concentration in Environmental Analysis and Assessment, seeks to produce graduates who:

- Critically read, evaluate and synthesize information from relevant geological, biological and chemical literature related to environmental problems.
- Work individually and with others, to identify and evaluate environmental problems.
- Apply appropriate tools, analytical equipment and concepts from mathematics, physics, chemistry, geology and biology, including the use of computer software, to evaluate environmental problems.
- Observe and measure in the field and laboratory, the organic, inorganic and physical aspects of environmental problems while applying the methods of science.

- Design a research project to test hypotheses and draw conclusions based on knowledge of the science.
- Articulate, in oral, written and graphical form, assessments of environmental problems.

The B.S. in Environmental Science with a concentration in Environmental Policy and Advocacy, seeks to produce graduates who:

- Critically read, evaluate and synthesize information from relevant geological and biological literature that addresses the complexity of factors relating to human interaction with the environment.
- Work individually and with others, to evaluate the economic, social, ethical and scientific aspects of environmental problems.
- Make observations and construct hypotheses to account for the observation.
- Articulate, in oral, written and graphical form, the causes, scale and relative importance of emergent and persistent environmental problems, environmental change, and sustainable human practices.

Environmental Science Requirements

Required Courses

- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits
- BIO-2340 Fundamentals of Ecology 4 credits
- CHE-1031 General Chemistry I 4 credits
- CHE-1032 General Chemistry II 4 credits
- ENV-1050 Introduction to Earth Science 4 credits
- ENV-1110 Introduction to Environmental Problems 3 credits
- ENV-2210 Current Topics in Science 1 credits (1 of 2)
- ENV-2210 Current Topics in Science 1 credits (2 of 2)

Total: 29 credits

In addition to completing the above required core courses, students must complete the following concentration requirements.

Environmental Analysis & Assessment Concentration

Required Courses

- ENV-4720 Senior Thesis 3 credits **OR**
- ENV-4810 Internship in Environmental Science 1-12 credits (3 credits)
- GEY-3120 Field Geology 4 credits
- MAT-1531 Calculus I 4 credits
- PHY-1041 Physics I 4 credits

Subtotal: 15 credits

Electives

(Choose 3 courses)

- BIO-3280 Environmental Toxicology 4 credits
- CHE-3111 Organic Chemistry I 4 credits
- CHE-3112 Organic Chemistry II 4 credits

- ENV-2910 Independent Study in Environmental Science 1-12 credits (3 credits) **OR**
- ENV-4910 Independent Study in Environmental Science 1-12 credits (3 credits)

- ENV-3130 Environmental Geology 4 credits
- ENV-3240 Fundamentals of Soil Science 4 credits
- ENV-3250 Meteorology & Climatology 4 credits
- ENV-3260 Global Climate Change 3 credits
- ENV-3310 Applications in GIS 4 credits
- ENV-3400 Advanced GIS: Spatial Modeling 4 credits
- GEY-3110 Hydrogeology 4 credits
- PHY-1042 Physics II 4 credits

Subtotal: 10-12 credits

Total Credits for Environmental Analysis & Assessment Concentration: 54-56 credits

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the B.A. in Biology: Field Naturalist, B.S. in Biology: General, B.S. in Biology: Pre-Medical, B.S. in Health Sciences: Physical Education, B.S. in Health Sciences: Pre-Physical Therapy, B.S. in Environmental Science: Analysis & Assessment, or B.S. in Environmental Science: Policy & Advocacy), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Environmental Science: Environmental Policy & Advocacy (B.S.)

Bachelor of Science in Environmental Science

Environmental science is an interdisciplinary field that provides an integrative and quantitative approach to the exploration of the biological, physical and societal aspects that govern the natural environment. The science faculty conduct research and provide instruction in ecology, meteorology, biology, chemistry, physics and geoscience. Lectures, laboratory work, fieldwork, internships and faculty-mentored student research prepare students for careers in

private industry, government agencies, or graduate education. The fundamentals of the science frame the discussion for policy decisions and social action. In addition, a 7-12 science education program is available for this major.

There are two concentrations within this major. The Environmental Analysis and Assessment concentration offers students a curriculum that focuses more heavily on laboratory and field courses, and prepares students for more technically orientated positions in the environmental field and for graduate programs in the sciences. The Environmental Policy and Advocacy concentration prepares students for job opportunities in business, education and government, primarily in the management of natural resources and the development of public policy. We recognize the importance and benefits of internships and all of our majors will be encouraged to participate with this type of opportunity.

Learning Outcomes for Environmental Science Majors

The B.S. in Environmental Science, with a concentration in Environmental Analysis and Assessment, seeks to produce graduates who:

- Critically read, evaluate and synthesize information from relevant geological, biological and chemical literature related to environmental problems.
- Work individually and with others, to identify and evaluate environmental problems.
- Apply appropriate tools, analytical equipment and concepts from mathematics, physics, chemistry, geology and biology, including the use of computer software, to evaluate environmental problems.
- Observe and measure in the field and laboratory, the organic, inorganic and physical aspects of environmental problems while applying the methods of science.
- Design a research project to test hypotheses and draw conclusions based on knowledge of the science.
- Articulate, in oral, written and graphical form, assessments of environmental problems.

The B.S. in Environmental Science with a concentration in Environmental Policy and Advocacy, seeks to produce graduates who:

- Critically read, evaluate and synthesize information from relevant geological and biological literature that addresses the complexity of factors relating to human interaction with the environment.
- Work individually and with others, to evaluate the economic, social, ethical and scientific aspects of environmental problems.
- Make observations and construct hypotheses to account for the observation.
- Articulate, in oral, written and graphical form, the causes, scale and relative importance of emergent and persistent environmental problems, environmental change, and sustainable human practices.

Environmental Science Requirements

Required Courses

- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits
- BIO-2340 Fundamentals of Ecology 4 credits
- CHE-1031 General Chemistry I 4 credits
- CHE-1032 General Chemistry II 4 credits
- ENV-1050 Introduction to Earth Science 4 credits
- ENV-1110 Introduction to Environmental Problems 3 credits
- ENV-2210 Current Topics in Science 1 credits (1 of 2)
- ENV-2210 Current Topics in Science 1 credits (2 of 2)

Total: 29 credits

In addition to completing the above required core courses, students must complete the following concentration requirements.

Environmental Policy & Advocacy Concentration

Required Courses

- ECO-2020 Macroeconomics 3 credits
- ENV-3030 Water Resources 3 credits
- ENV-3040 Energy & Mineral Resources 3 credits
- ENV-3250 Meteorology & Climatology 4 credits

- ENV-4730 Senior Seminar 3 credits **OR**
- ENV-4720 Senior Thesis 3 credits

- POS-1020 American Politics & Government 3 credits **OR**
- POS-1010 Introduction to Political Science 3 credits

- POS-3050 Environmental Ethics & Politics 3 credits

Subtotal: 22 credits

Electives

(Choose 2 courses)

- ENV-2910 Independent Study in Environmental Science 1-12 credits (3 credits) **OR**
- ENV-4910 Independent Study in Environmental Science 1-12 credits (3 credits)

- ENV-3010 Land Use Planning 3 credits
- ENV-3020 Environmental Law 3 credits
- ENV-3130 Environmental Geology 4 credits
- ENV-3150 Toxic & Solid Waste Management 3 credits
- ENV-3230 National Parks & Wilderness Management 3 credits
- ENV-3260 Global Climate Change 3 credits
- ENV-3310 Applications in GIS 4 credits
- ENV-3400 Advanced GIS: Spatial Modeling 4 credits
- ENV-4810 Internship in Environmental Science 1-12 credits (3 credits)
- GEY-3120 Field Geology 4 credits

Subtotal: 6-8 credits

Total Credits for Environmental Policy & Advocacy Concentration: 57-59 credits

In addition, students are encouraged but not required to complete an internship. Recent placements have included the Vermont Fish and Wildlife Department, U.S. Soil Conservation Service, U.S. Fish and Wildlife Service, the Vermont Youth Corps, Vermont State Legislature, regional planning commissions and various state and national parks.

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the B.A. in Biology: Field Naturalist, B.S. in Biology: General, B.S. in Biology: Pre-Medical, B.S. in Health Sciences: Physical Education, B.S. in Health Sciences: Pre-Physical Therapy, B.S. in Environmental Science: Analysis & Assessment, or B.S. in Environmental Science: Policy & Advocacy), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Health Sciences: Health & Exercise Science (B.S.)

Bachelor of Science in Health Sciences

The health sciences major is designed for students wishing to pursue careers in health, fitness, physical education and the allied health fields, including physical therapy, chiropractic medicine and physician assistance. The program trains students in the basic sciences, including biology, chemistry, anatomy and physiology; assessment of health status; the disease process; health, fitness and physical education; and cardiac and pulmonary assessment and rehabilitation. The health sciences program prepares students for a wide variety of career options and, with the current increases in lifestyle-related disease and the growing elderly population, students will be poised to take advantage of new prospects in the health field.

Learning Outcomes for Health Science Majors

The B.S. in the health sciences program seeks to produce graduates who:

- Demonstrate through both speaking and writing an understanding of biological, physical and social sciences related to human movement, sport exercise and contemporary health issues.
- Identify and describe challenges to the natural homeostasis of the body and mind and how they respond to these challenges.
- Apply knowledge related to physical activity, nutrition and other lifestyle behaviors to prevent and control diseases in diverse populations.
- Use both qualitative and quantitative methods to appraise risk factors, health status, fitness and physical skills, and then design safe and effective programs to target these factors in healthy and diseased populations.
- Possess in-depth understanding of the scientific methods and the ability to accurately interpret and apply scientific findings related to the human body, health and disease.
- Demonstrate an ability to apply theoretical knowledge, research skills, use of technology and professionally appropriate and ethical behaviors in workplace settings.

Health Sciences Requirements

Required Core Courses

- AHS-1010 Contemporary Health Issues 3 credits
- AHS-3120 Kinesiology 3 credits
- AHS-3230 Physiology of Exercise 4 credits
- AHS-4030 Psychology of Sports & Exercise 3 credits
- BIO-2011 Human Anatomy & Physiology I 4 credits
- BIO-2012 Human Anatomy & Physiology II 4 credits
- PSY-1010 Introduction to Psychology 3 credits *

Subtotal: 24 credits

*Fulfills GEC-SHP

The Health Science Programs offers three concentrations: Health & Exercise Science, Physical Education with or without licensure, and Pre-Physical Therapy. Students majoring in health sciences must complete at least one of these concentrations.

Health & Exercise Science Concentration

Additional Outcomes for the Health & Exercise Concentration

- Possess the knowledge and skills necessary for careers in clinical/medical settings, personal training, strength and conditioning, corporate health/wellness, community health education and health/wellness consulting.
- Are well-prepared for graduate programs in kinesiology, exercise science, public health, athletic training and related disciplines.

Health & Exercise Science Concentration Requirements

- AHS-1XXX First Aid/CPR/AED (under development) 1 credits
- AHS-2130 Strength & Conditioning 3 credits
- AHS-2XXX Health Sciences Seminar (under development) 1 credits
- AHS-4060 Cardiopulmonary Assessment, Rehabilitation & Training 4 credits
- AHS-4110 Psychophysiology of Stress 3 credits

- AHS-4810 Internship in Allied Health Science 1-12 credits (3 credits) **OR**
- AHS-4911 Senior Research 3 credits

- BIO-1210 Introduction to Biology 4 credits * **OR**
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits *

- BIO-3180 Nutrition 3 credits
- CHE-1031 General Chemistry I 4 credits *
- ENV-2210 Current Topics in Science 1 credits (students must complete two semester at 1 cr. each)

Subtotal: 27 credits

*Fulfills GEC-FD-NS

Electives for Health & Exercise Science Concentration

In addition to completing the Health Science core program and the health and exercise science concentration requirements above, each student must choose 6-8 credits from the following courses.

- AHS-1080 Lifetime Fitness 1 credits
- AHS-3043 Care & Prevention of Athletic Injuries 4 credits
- AHS-3050 Introduction to Pharmacology 3 credits
- BIO-3125 Biological Chemistry 4 credits (offered every 3 years)
- BIO-3130 Cellular Biology: A Molecular Approach 4 credits (offered every 3 years)
- BIO-3140 Microbiology 4 credits (offered every 3 years)
- CHE-1032 General Chemistry II 4 credits
- CHE-3111 Organic Chemistry I 4 credits
- PHY-1041 Physics I 4 credits *
- PHY-1042 Physics II 4 credits
- PSY-2070 Developmental Psychology 3 credits
- PSY-3065 Abnormal Behavior 3 credits
- AHS-4025 Health Behavior: Change & Adherence 3 credits

Total: 58-60 credits

*Fulfills GEC-FD-NS

Note: Students interested in pursuing medical school following completion of their bachelor's degree should take these standard prerequisite courses: BIO-1211 Introduction to Biology: Ecology & Evolution; BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life; CHE-1031 General Chemistry I; CHE-1032 General Chemistry II; CHE-3111 Organic Chemistry I; CHE-3112 Organic Chemistry II; PHY-1041 Physics I; PHY-1042 Physics II. Required or suggested by some medical schools are the following courses: BIO-3125 Biological Chemistry; BIO-3220 Genetics; MAT-1531 Calculus I; MAT-2532 Calculus II.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Health Sciences: Physical Education (B.S.)

Bachelor of Science in Health Sciences

The health sciences major is designed for students wishing to pursue careers in health, fitness, physical education and the allied health fields, including physical therapy, chiropractic medicine and physician assistance. The program trains students in the basic sciences, including biology, chemistry, anatomy and physiology; assessment of health status; the disease process; health, fitness and physical education; and cardiac and pulmonary assessment and rehabilitation. The health sciences program prepares students for a wide variety of career options and, with the current increases in

lifestyle-related disease and the growing elderly population, students will be poised to take advantage of new prospects in the health field.

Learning Outcomes for Health Science Majors

The B.S. in the health sciences program seeks to produce graduates who:

- Demonstrate through both speaking and writing an understanding of biological, physical and social sciences related to human movement, sport exercise and contemporary health issues.
- Identify and describe challenges to the natural homeostasis of the body and mind and how they respond to these challenges.
- Apply knowledge related to physical activity, nutrition and other lifestyle behaviors to prevent and control diseases in diverse populations.
- Use both qualitative and quantitative methods to appraise risk factors, health status, fitness and physical skills, and then design safe and effective programs to target these factors in healthy and diseased populations.
- Possess in-depth understanding of the scientific methods and the ability to accurately interpret and apply scientific findings related to the human body, health and disease.
- Demonstrate an ability to apply theoretical knowledge, research skills, use of technology and professionally appropriate and ethical behaviors in workplace settings.

Health Sciences Requirements

Required Core Courses

- AHS-1010 Contemporary Health Issues 3 credits
- AHS-3120 Kinesiology 3 credits
- AHS-3230 Physiology of Exercise 4 credits
- AHS-4030 Psychology of Sports & Exercise 3 credits
- BIO-2011 Human Anatomy & Physiology I 4 credits
- BIO-2012 Human Anatomy & Physiology II 4 credits
- PSY-1010 Introduction to Psychology 3 credits *

Subtotal: 24 credits

*Fulfills GEC-SHP

The Health Science Programs offers three concentrations: Health & Exercise Science, Physical Education with or without licensure, and Pre-Physical Therapy. Students majoring in health sciences must complete at least one of these concentrations.

Physical Education Concentration

Additional Outcomes for the Physical Education Concentration

- Possess the knowledge and skills necessary to:

- Develop and deliver standards-based curriculum units and lessons for PreK-12 physical education, as well as assess and evaluate student learning, instruction and the curriculum itself.
- Establish an effective learning environment that is engaging, inclusive and recognizes cultural and learning diversity.

Students must complete the B.S. in Health Sciences core program requirements above and the physical education concentration elective requirements.

Physical Education Concentration Requirements

- AHS-2040 Advanced First Aid & Emergency Care 4 credits
- AHS-2130 Strength & Conditioning 3 credits
- DAN-1010 Fundamentals of Dance 3 credits
- OER-2140 Ropes Course Leadership 2 credits
- PED-1150 Foundations of Physical Education 3 credits
- PED-2040 Team Sports 2 credits
- PED-2110 Individual, Dual & Lifetime Activities 2 credits
- PED-3120 Measurement & Evaluation 3 credits

Subtotal: 22 credits

Electives for Physical Education Concentration

Choose one of the following:

- AHS-3043 Care & Prevention of Athletic Injuries 4 credits
- AHS-4110 Psychophysiology of Stress 3 credits
- BIO-3180 Nutrition 3 credits
- OER-3010 Learning in the Outdoors 4 credits
- AHS-4025 Health Behavior: Change & Adherence 3 credits

Subtotal: 3-4 credits

Total: 49-50 credits

Physical Education Teaching Endorsement

Students pursuing teacher licensure in physical education must complete the Health Sciences core, the physical education concentration elective requirements, and the following:

- PED-3070 Methods of Teaching Elementary Physical Education 4 credits
- PED-3140 Methods of Teaching Secondary School Physical Education 4 credits

Note:

In addition, students pursuing licensure students must also complete all EDU Teacher Education core requirements (EDU TEW1, EDU TEW2, EDU TEW3, EDU TEW4 and EDU TEW5 and EDU 2360, EDU 2365, EDU 3112 EDU 3311, EDU 3440, EDU 4310, EDU 4385 and EDU 4650) unified arts education program coursework, and unified arts education endorsement-specific coursework referenced in the Education Department section of this catalog.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Health Sciences: Pre-Physical Therapy (B.S.)

Bachelor of Science in Health Sciences

The health sciences major is designed for students wishing to pursue careers in health, fitness, physical education and the allied health fields, including physical therapy, chiropractic medicine and physician assistance. The program trains students in the basic sciences, including biology, chemistry, anatomy and physiology; assessment of health status; the disease process; health, fitness and physical education; and cardiac and pulmonary assessment and rehabilitation. The health sciences program prepares students for a wide variety of career options and, with the current increases in lifestyle-related disease and the growing elderly population, students will be poised to take advantage of new prospects in the health field.

Learning Outcomes for Health Science Majors

The B.S. in the health sciences program seeks to produce graduates who:

- Demonstrate through both speaking and writing an understanding of biological, physical and social sciences related to human movement, sport exercise and contemporary health issues.
- Identify and describe challenges to the natural homeostasis of the body and mind and how they respond to these challenges.
- Apply knowledge related to physical activity, nutrition and other lifestyle behaviors to prevent and control diseases in diverse populations.
- Use both qualitative and quantitative methods to appraise risk factors, health status, fitness and physical skills, and then design safe and effective programs to target these factors in healthy and diseased populations.
- Possess in-depth understanding of the scientific methods and the ability to accurately interpret and apply scientific findings related to the human body, health and disease.
- Demonstrate an ability to apply theoretical knowledge, research skills, use of technology and professionally appropriate and ethical behaviors in workplace settings.

Health Sciences Requirements

Required Core Courses

- AHS-1010 Contemporary Health Issues 3 credits
- AHS-3120 Kinesiology 3 credits
- AHS-3230 Physiology of Exercise 4 credits
- AHS-4030 Psychology of Sports & Exercise 3 credits
- BIO-2011 Human Anatomy & Physiology I 4 credits
- BIO-2012 Human Anatomy & Physiology II 4 credits
- PSY-1010 Introduction to Psychology 3 credits *

Subtotal: 24 credits

*Fulfills GEC-SHP

The Health Science Programs offers three concentrations: Health & Exercise Science, Physical Education with or without licensure, and Pre-Physical Therapy. Students majoring in health sciences must complete at least one of these concentrations.

Pre-Physical Therapy Concentration

Additional Outcome for the Pre-Physical Therapy Concentration

- Possess the knowledge and skills necessary for entry into graduate programs in physical therapy, chiropractic medicine, physician's assistant and related allied health disciplines.

Students must complete the B.S. in Health Sciences core program requirements above and the pre-physical therapy concentration requirements listed below.

Pre-Physical Therapy Concentration Requirements

- AHS-2XXX Health Sciences Seminar (under development) 3 credits
- AHS-4060 Cardiopulmonary Assessment, Rehabilitation & Training 4 credits

- AHS-4810 Internship in Allied Health Science 1-12 credits (3 credits) **OR**
- AHS-4911 Senior Research 3 credits

- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits *
- CHE-1031 General Chemistry I 4 credits *
- CHE-1032 General Chemistry II 4 credits
- ENV-2210 Current Topics in Science 1 credits
- MAT-2030 Probability & Statistics 3 credits *
- PHY-1041 Physics I 4 credits *
- PHY-1042 Physics II 4 credits

Subtotal: 33 credits

*Fulfills GEC-FD-NS

Electives

(choose 6-8 credits from the following courses. At least 3 credits must be from an AHS designated course or BIO 3180.)

- AHS-2130 Strength & Conditioning 3 credits
- AHS-3043 Care & Prevention of Athletic Injuries 4 credits
- AHS-3050 Introduction to Pharmacology 3 credits
- AHS-4110 Psychophysiology of Stress 3 credits
- BIO-3125 Biological Chemistry 4 credits
- BIO-3130 Cellular Biology: A Molecular Approach 4 credits

- BIO-3140 Microbiology 4 credits
- BIO-3180 Nutrition 3 credits
- CHE-3111 Organic Chemistry I 4 credits
- PSY-2070 Developmental Psychology 3 credits
- PSY-3065 Abnormal Behavior 3 credits
- AHS-4025 Health Behavior: Change & Adherence 3 credits

Total: 63-65 credits

Important Notes: Some graduate programs may have admission requirements that are not included in this program of study (e.g., see below). Electives should be identified early in the degree program and in discussion with an advisor about academic and career goals.

Doctor of Physical Therapy (DPT) programs sometimes require the following additional prerequisites: One additional psychology course (PSY-2070 or PSY-3065 (recommended)); One additional 4-credit introductory biology course (i.e., take BIO-1212 AND BIO-1210 or BIO-1212).

Doctor of Chiropractic programs often require the following additional prerequisite: CHE-3111 Organic Chemistry I

Physician's Assistant (PA) graduate programs often require the following prerequisites: Two semesters of 4-credit advanced biology (3000- or 4000-level). Replacement of PHY-1041 Physics I and PHY-1042 Physics II with these courses is recommended for those interested in PA programs.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Outdoor Education: Adventure Education & Wilderness Leadership (B.A.)

Bachelor of Arts in Outdoor Education

The outdoor education major is highly experiential and leads to diverse careers working with a variety of populations in outdoor settings. The program consists of a core and two concentrations: one in adventure education and wilderness leadership and the other in environmental education. The major offers students technical training in outdoor pursuits/adventure leadership and environmental education in combination with cross-disciplinary study in education, psychology and biology, and prepares students for a career or graduate study in outdoor education, outdoor recreation or environmental education.

Prior to the required internship, students must complete OER-3010 with a grade of C- or better, have junior or senior standing and obtain a recommendation from the outdoor education faculty. Students should meet with their advisors early in their program for specific details regarding the internship process.

Learning Outcomes for Outdoor Education Majors

The B.A. in outdoor education program seeks to produce graduates who can demonstrate:

- Knowledge of the historical and philosophical foundations of the field, human development, learning theories, experiential education, natural history and environmental issues;

- The ability to critically read, evaluate and synthesize literature in the field of outdoor education and carry out an original research project;
- Pedagogical skills and practical experience organizing, teaching and leading diverse populations through experiential, field-based learning opportunities;
- Knowledge of professional practices including program administration, program development, risk management, emergency procedures and awareness of industry standards, current issues and trends;
- Knowledge and skills specific to outdoor adventure pursuits and/or environmental education.

Outdoor Education Requirements

Required Courses

- One core elective chosen under advisement 3 credits
- ENV-1110 Introduction to Environmental Problems 3 credits
- ENV-2050 The Natural History of Vermont 3 credits **OR**
- BIO-2130 Natural History of the Yellowstone Plateau 3 credits
- OER-1000 Introduction to Outdoor Education 4 credits
- OER-3010 Learning in the Outdoors 4 credits *
- OER-3020 Program Planning in Outdoor Education 3 credits
- OER-4900 Research in Outdoor Education 3 credits
- PSY-1010 Introduction to Psychology 3 credits
- PSY-2070 Developmental Psychology 3 credits
- OER-4810 Internship in Outdoor Education 6-12 credits (6-12 credits)

Total: 35-41 credits

*A grade of C- is required in OER 3010.

Adventure Education & Wilderness Leadership Concentration

Students in this concentration will be prepared for work in the fast-growing field of educational and recreational outdoor programs. Employers of these graduates might include adventure outfitters and guide services, outdoor education centers and camps that include programs in outdoor living/travel and ropes courses, and outdoor leadership development programs. Graduating students could also pursue advanced degrees in outdoor education, outdoor recreation or outdoor therapeutic recreation.

Students in this concentration must document at least 25 days of wilderness or adventure leadership experiences when they apply for their required internship. Leadership opportunities are offered through various courses, the Outing Club and local schools and agencies. Students should consult with their advisor early in their program to obtain details about this requirement.

Outdoor Education Skills Courses

Select 4 of the following: 2-7 credits

(0.5-3.0 credits each)

- OER-1030 Outdoor Education Activities 0.5 credits (Fly-fishing)
- OER-1050 Hiking & Camping 1 credits
- OER-1131 Rock Climbing I 1 credits
- OER-2080 Advanced Rock Craft 2 credits
- OER-1170 Ice Climbing 1 credits
- OER-1070 Orienteering 1 credits
- OER-1060 Ropes Course 1 credits
- OER-1030 Outdoor Education Activities 0.5 credits (Cross-Country Skiing)
- OER-1030 Outdoor Education Activities 0.5 credits (Snowshoeing)
- OER-1030 Outdoor Education Activities 0.5 credits (Introduction to River Kayaking)
- OER-1161 Whitewater Kayaking 1 credits
- OER-1162 Coastal Kayaking 1 credits
- OER-3150 Winter Expedition 3 credits
- Teaching Assistant Internship
- Activity-based special topics course such as Wilderness Canoe Touring

Additional Required Courses

- OER-1061 Backpacking 1 credits
- OER-2062 Advanced Backpacking 2 credits
- OER-2050 Rock Climbing Instructor 2 credits **OR**
- OER-1165 Coastal Kayak Guide Training 2 credits **OR**
- Other approved instructor certification
- OER-2060 Wilderness First Responder 4 credits **OR**
- Proof of equivalent or higher level certification
- OER-2140 Ropes Course Leadership 2 credits
- OER-3070 Adventure Education Theory & Practice 3 credits
- OER-4030 Wilderness Leadership Techniques 4 credits
- PSY-2420 Group Process: Theory & Practice 3 credits

Total: 23-28 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Outdoor Education: Environmental Education (B.A.)

Bachelor of Arts in Outdoor Education

The outdoor education major is highly experiential and leads to diverse careers working with a variety of populations in outdoor settings. The program consists of a core and two concentrations: one in adventure education and wilderness leadership and the other in environmental education. The major offers students technical training in outdoor

pursuits/adventure leadership and environmental education in combination with cross-disciplinary study in education, psychology and biology, and prepares students for a career or graduate study in outdoor education, outdoor recreation or environmental education.

Prior to the required internship, students must complete OER-3010 with a grade of C- or better, have junior or senior standing and obtain a recommendation from the outdoor education faculty. Students should meet with their advisors early in their program for specific details regarding the internship process.

Learning Outcomes for Outdoor Education Majors

The B.A. in outdoor education program seeks to produce graduates who can demonstrate:

- Knowledge of the historical and philosophical foundations of the field, human development, learning theories, experiential education, natural history and environmental issues;
- The ability to critically read, evaluate and synthesize literature in the field of outdoor education and carry out an original research project;
- Pedagogical skills and practical experience organizing, teaching and leading diverse populations through experiential, field-based learning opportunities;
- Knowledge of professional practices including program administration, program development, risk management, emergency procedures and awareness of industry standards, current issues and trends;
- Knowledge and skills specific to outdoor adventure pursuits and/or environmental education.

Outdoor Education Requirements

Required Courses

- One core elective chosen under advisement 3 credits
- ENV-1110 Introduction to Environmental Problems 3 credits

- ENV-2050 The Natural History of Vermont 3 credits **OR**
- BIO-2130 Natural History of the Yellowstone Plateau 3 credits

- OER-1000 Introduction to Outdoor Education 4 credits
- OER-3010 Learning in the Outdoors 4 credits *
- OER-3020 Program Planning in Outdoor Education 3 credits
- OER-4900 Research in Outdoor Education 3 credits
- PSY-1010 Introduction to Psychology 3 credits
- PSY-2070 Developmental Psychology 3 credits
- OER-4810 Internship in Outdoor Education 6-12 credits (6-12 credits)

Total: 35-41 credits

*A grade of C- is required in OER 3010.

Environmental Education Concentration

Students in this concentration will be prepared for employment in a variety of settings, including working at outdoor education, environmental and nature centers; as naturalists or interpreters in federal, state or local parks; conducting

nature or environmentally-oriented activities for municipal or community recreation programs; as summer camp nature specialists; and as school and college workshop leaders and curriculum consultants. Students can also pursue advanced degrees in outdoor education and environmental education.

Required Courses

- BIO-1210 Introduction to Biology 4 credits **OR**
- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits

- BIO-2340 Fundamentals of Ecology 4 credits
- ENV-1050 Introduction to Earth Science 4 credits
- ENV-3220 Environmental Interpretation 3 credits
- ENV-3230 National Parks & Wilderness Management 3 credits
- ENV-4010 Global Environmental Issues 3 credits

Natural Science Field Course

(Choose one of the following)

- BIO-2145 Plant Biology 4 credits
- BIO-3110 Field Ornithology 3 credits
- BIO-3310 Wildlife Field Methods 4 credits
- GEY-3120 Field Geology 4 credits

Total: 24-25 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Minor

Adventure Education Minor

Minimum of one OER Skills Course .5-3 credits

Choice of:

- OER-1030 Outdoor Education Activities 0.5 credits (Snowshoeing)
- OER-1030 Outdoor Education Activities 0.5 credits (Cross-Country Skiing)
- OER-1030 Outdoor Education Activities 0.5 credits (Intro to River Kayaking)
- OER-1030 Outdoor Education Activities 0.5 credits (Fly-fishing)
- OER-1050 Hiking & Camping 1 credits
- OER-1131 Rock Climbing I 1 credits
- OER-1060 Ropes Course 1 credits

- OER-1070 Orienteering 1 credits
- OER-1161 Whitewater Kayaking 1 credits
- OER-1162 Coastal Kayaking 1 credits
- OER-1170 Ice Climbing 1 credits
- OER-2080 Advanced Rock Craft 2 credits
- Wilderness Canoe Training
- OER-3150 Winter Expedition 3 credits

One Instructor-Level OER (2 credits)

Choice of:

- OER-2050 Rock Climbing Instructor 2 credits
- OER-2140 Ropes Course Leadership 2 credits
- OER-1165 Coastal Kayak Guide Training 2 credits
- Other approved instructor certification course 2 credits

Additional Required Courses

- OER-1000 Introduction to Outdoor Education 4 credits
- OER-1061 Backpacking 1 credits
- OER-2060 Wilderness First Responder 4 credits
- OER-2062 Advanced Backpacking 2 credits
- OER-3070 Adventure Education Theory & Practice 3 credits
- OER-4030 Wilderness Leadership Techniques 4 credits

Total: 20.5-23 credits

Biology Minor

Required Courses

- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits
- Plus a minimum of 16 biology credits to consist of four 2000- level or higher biology courses of which at least two are at the 3000-4000 level. 16 credits

Total: 24 credits

Chemistry Minor

Required Courses

- CHE-1031 General Chemistry I 4 credits

- CHE-1032 General Chemistry II 4 credits
- CHE-XXXX Two additional upper-level CHE courses 8 credits
- ENV-1110 Introduction to Environmental Problems 3 credits

Total: 19 credits

A chemistry minor is not permitted for students who are seeking a B.S. degree in biology.

Environmental Education Minor

Required Courses

- ENV-1050 Introduction to Earth Science 4 credits
- ENV-1110 Introduction to Environmental Problems 3 credits
- ENV-3220 Environmental Interpretation 3 credits
- ENV-4010 Global Environmental Issues 3 credits
- ENV-XXXX One additional upper-level ENV course 3 credits
- OER-3010 Learning in the Outdoors 4 credits

Total: 20 credits

Environmental Science Minor

The minor in environmental science provides sufficient background knowledge for students to comprehend the fundamentals of the science that frames the discussion for policy decisions and social action. The minor is appropriate for students who choose to major in business, economics, political science, biology, outdoor education or other majors offered at Johnson State College.

Required Courses

- ENV-1050 Introduction to Earth Science 4 credits
- ENV-1110 Introduction to Environmental Problems 3 credits
- ENV-3030 Water Resources 3 credits
- ENV-3040 Energy & Mineral Resources 3 credits
- ENV-XXXX Two additional upper-level ENV courses 6 credits

Total: 19 credits

External Degree Program

Johnson State's External Degree Program (EDP) serves adult students throughout Vermont who have already completed 60 or more credits of acceptable college-level work. Each student works closely with an advisor who has an office at the student's local Community College of Vermont site or on campus at JSC. The advisor helps the student develop and carry out a plan to earn the remainder of the credits needed for a B.A. degree. A minimum of 30 credits must be earned while in the program.

Students can take courses in a variety of formats and at various locations, including: JSC courses held on Saturdays or Sundays once a month throughout Vermont, 15-week online courses, accelerated weekend and online courses in a 7-week format, courses on campus at Johnson State, and courses at other colleges.

The following degree programs are available statewide through the External Degree Program. Additional programs are available to students who can attend classes on the JSC campus.

- B.A. in Business
- B.A. in Childhood Education (with Elementary and Special Education endorsement)
- B.A. in Interdisciplinary Studies
- B.A. in Professional Studies
- B.A. in Psychology
- B.S. in Wellness & Alternative Medicine

Two of the majors, the B.A. in Business and the B.A. in Professional Studies, are available entirely online as well as in the classroom or through a combination of online and classroom-based courses. More than half of the courses for the B.A. in Interdisciplinary Studies and the B.A. in Psychology are available online as well.

For information on specific requirements, please refer to the departmental and General Education Curriculum sections of this catalog.

Fine & Performing Arts

Faculty/Staff

Steve Blair, *Professor*
 Kenneth Leslie, *Professor*
 Russell Longtin, *Professor*
 John Miller, *Professor*
 Maris Wolff, *Professor*
 Mary Martin, *Associate Professor, Department Co-Chair (fine arts)*
 Sean Clute, *Assistant Professor*
 Bethany Plissey, *Assistant Professor, Department Co-Chair (performing arts)*
 Timothy Saeed, *Visiting Assistant Professor*
 Michael Zembrowski, *Assistant Professor*

Proficiencies, Juries & Praxis Exam Schedule

Students must complete 12 credits in one primary voice or instrument. This is the instrument utilized for Juries and the Senior Recital.

First Year	Jury in Spring only
Second Year	Jury in both Fall and Spring Piano Proficiency at end of Spring semester as part of Keyboard courses.

	Praxis Exam should be completed as soon as student has finished the JSC math requirements (recommended Spring of Year 2)
Third Year	Jury in both Fall and Spring
Prior to Student Teaching	All course requirements, recitals, pre-student teaching portfolio and the Praxis I Exam must be completed. Additionally, music education majors must have a total earned GPA of a 3.00 or higher or have received certification of academic competence by the Academic Dean.

Performing Arts

An audition is required for all students considering a major in the music and/or musical theater programs. Students must submit a recorded audition (or a link to an online recording of their work) along with a completed audition form and supporting materials. These materials are in addition to the general college application for admissions. For more details, please visit www.JSC.edu/Auditions. This process is specifically for the music and musical theater majors and will not preclude a student from admission into Johnson State College. Please contact the administrative assistant for the Department of Fine and Performing Arts for more information.

The Department of Fine and Performing Arts offers courses with the following designators: ARH (art history), ART (studio arts and art education), DAN (dance), MUS (music), THA (theater arts). See full Course Descriptions. The department also offers a Master of Fine Arts Program in Studio Arts. For further information, see the Johnson State College graduate catalog.

Major

Art (B.A.)

Within this program, students create work in a variety of disciplines, including drawing, painting, sculpture, printmaking, photography, digital media, ceramics and art history. The degree provides students with a critical and historical perspective for assessing their work.

Learning Outcomes for Art Majors

Graduating students should be able to:

1. Articulate informed and ideologically sound ideas about art, both historic and contemporary, and connect those ideas to the wider world.
2. Create artwork that is technically proficient and imbued with meaningful content.
3. Demonstrate a general understanding, ability and resourcefulness with a wide range of art media, as well as a deeper understanding of at least one medium such as drawing, painting, sculpture, photography, digital media or art history.
4. Have an openness to ideas other than their own and a willingness to take risks with their own work.

5. Have established regular studio practice, which will hopefully be lifelong, be aware of developing issues in their own work and know how to continue on their own in the pursuit of that vision, with strategies for maintaining self-awareness.

Art Requirements

Required Courses

- ARH-2010 Survey of Western Traditions in Art 3 credits
- ARH-2060 Survey of Non-Western Traditions in Art 3 credits
- ART-1011 Drawing I 3 credits
- ART-1140 Design 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- ART-2211 Painting I 3 credits
- ART-2251 Sculpture I 3 credits

Subtotal: 21 credits

Introductory Studio Electives

(Select two courses)

- ART-1231 Ceramics I 3 credits
- ART-2150 Jewelry & Metalsmithing 3 credits
- ART-2301 Photography I 3 credits
- ART-2410 Introduction to Printmaking 3 credits

Subtotal: 6 credits

Advanced Art History & Studio* Electives

(Select five courses, including at least one from ARH and one from ART)

- ARH-3015 Greek & Roman Art 3 credits
- ARH-3020 Art of the Renaissance 3 credits
- ARH-3060 Twentieth Century Art 3 credits
- ARH-3110 The Spiritual in Non-Western Art 3 credits
- ARH-3120 Art Criticism 3 credits
- ARH-3130 The History of Photography 3 credits
- ARH-3140 African Art 3 credits
- ARH-3150 Art of the Human Body 3 credits
- ARH-3210 Women in Art 3 credits
- ART-3031 Life Drawing 3 credits
- ART-3032 Advanced Drawing 3 credits
- ART-3040 Landscape Painting 3 credits
- ART-3222 Ceramics II 3 credits
- ART-3314 Advanced Printmaking 3 credits

- ART-3320 Monoprints 3 credits
- ART-4020 Advanced Digital Media 3 credits
- ART-4040 Advanced Photography 3 credits
- ART-4050 Advanced Painting 3 credits
- ART-4060 Advanced Digital: Graphic Design 3 credits
- ART-4070 Advanced Digital: Web Design for Artists 3 credits
- ART-4110 Visual Art & Performance 3 credits
- ART-4130 Advanced Sculpture 3 credits
- ARH-4710 Special Topics in Art History 3 credits
- ART-4710 Special Topics in Art 3 credits

Subtotal: 15 credits

*Students may take the same Advanced Studio course more than once, but no more than twice with the same professor.

Required Capstone Course:

- ARH-4720 Seminar in Contemporary Art Issues 3 credits

Total: 45 credits

Art Education (PreK-12) Teaching Endorsement

Students pursuing a license to teach art in grades PreK-12 must complete either the B.A. in Art or the B.F.A. in Studio Arts as well as specific teacher-education coursework and requirements. Please refer to the Unified Arts Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Media Arts (B.F.A.)

The B.F.A. in Media Arts degree offers opportunities to explore the expanding world of media and expression. Emphasis includes educating students on aspects of creative inquiry, collaboration and adaptation to emerging technologies. Courses will include image processing, animation, video and new media. The B.F.A. in Media Arts requires 60 credit hours in visual, performing or interdisciplinary-related coursework. Students begin with introductory courses intended to increase their familiarity with artistic and theoretical concepts associated with media and art. As students progress through the program, they are required to take more specialized courses.

Seniors will be required to create a BFA thesis exhibition for public display. This program is designed to include lectures, lab hours, collaborative projects and public presentations. Students will become immersed in the Media Arts Research Studio (MARS), which houses state-of-the-art hardware, software and printing services. Admission to the program (generally in the sophomore or junior year) must be followed by a minimum of three semesters of studio work before the thesis exhibition. A student is admitted into the program only upon recommendation by the studio arts faculty and approval by the chairperson, following a successful portfolio review. All majors must participate in the monthly B.F.A. critiques held in the Visual Arts Center Gallery. Each candidate for the BFA must present a senior

thesis and talk during the final year of study. This thesis is prepared under the guidance and supervision of the art faculty and must demonstrate proficiency in a chosen area of concentration. Once admitted into the B.F.A. program via their B.F.A. review, students must achieve grades of B- or higher in all ART and ARH courses.

Learning Outcomes for Media Art Majors

Graduating students should be able to:

1. Develop language and techniques for creating and critiquing media.
2. Learn how to use computers and software for creative purposes.
3. Learn a variety of conceptual, design and experimental art-based principles.
4. Introduce the history and criticism surrounding new media.
5. Discover more about themselves and methods of self-expression through art and media.

Media Arts Requirements

Required Courses

- ARH-2010 Survey of Western Traditions in Art 3 credits
- ARH-2060 Survey of Non-Western Traditions in Art 3 credits
- ART-1011 Drawing I 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- ART-2211 Painting I 3 credits
- ART-2251 Sculpture I 3 credits
- ART-2301 Photography I 3 credits

Subtotal: 21 credits

Advanced Art History Electives

(Select two courses)

- ARH-3015 Greek & Roman Art 3 credits
- ARH-3020 Art of the Renaissance 3 credits
- ARH-3060 Twentieth Century Art 3 credits
- ARH-3110 The Spiritual in Non-Western Art 3 credits
- ARH-3120 Art Criticism 3 credits
- ARH-3130 The History of Photography 3 credits
- ARH-3140 African Art 3 credits
- ARH-3150 Art of the Human Body 3 credits
- ARH-3210 Women in Art 3 credits
- ARH-4710 Special Topics in Art History 3 credits

Subtotal: 6 credits

Advanced Non-Media Studio Electives

(Select 2 different courses)

- ART-3031 Life Drawing 3 credits
- ART-3032 Advanced Drawing 3 credits
- ART-3040 Landscape Painting 3 credits
- ART-3222 Ceramics II 3 credits
- ART-3314 Advanced Printmaking 3 credits
- ART-3320 Monoprints 3 credits
- ART-4040 Advanced Photography 3 credits
- ART-4050 Advanced Painting 3 credits
- ART-4110 Visual Art & Performance 3 credits
- ART-4130 Advanced Sculpture 3 credits
- ART-4710 Special Topics in Non-Media Studio Arts 3 credits

Subtotal: 6 credits

Advanced Media Electives

(Select 5 different courses)

- ART-4020 Advanced Digital Media 3 credits
- ART-4060 Advanced Digital: Graphic Design 3 credits
- ART-4070 Advanced Digital: Web Design for Artists 3 credits
- ART-4075 Advanced Digital: Animation & Motion Graphics 3 credits
- ART-4080 Advanced Digital Media: Intermedia 3 credits
- ART-4150 Advanced Digital: Video 3 credits
- ART-4710 Special Topics in Media Arts 3 credits

Subtotal: 15 credits

Extended Media Experience

(Select one ART-4110 Visual Art & Performance course)

- ART-4810 Internship in Art 1-12 credits (3 credits)
- ENV-3310 Applications in GIS 4 credits
- MUS-2160 Introduction to Technology in Music 2 credits

Subtotal: 3 credits

Required Capstone Courses

- ARH-4720 Seminar in Contemporary Art Issues 3 credits
- ART-4120 B.F.A. Project & Exhibit 3 credits
- ART-4730 B.F.A. Seminar 3 credits

Subtotal: 9 credits

Total: 60 credits

- *Grades for ART-4120 B.F.A. Project & Exhibit will be determined by the thesis advisor in consultation with the full department.*
- *Once admitted into the BFA program via their BFA Review, students must achieve grades of B- or higher in all ART and ARH courses.*

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Music Performance & Music Education (B.A.)

The music education program at Johnson State College provides a five-year, double major in Music Performance and Music Education that leads to State of Vermont Certification for all specializations in Music, grades PreK-12. This program guides students through the licensure procedures from the earliest levels of their collegiate education through to the completion of the student teaching internship and includes requirements in instrumental, choral and general music methods for all music education majors. The hallmark of the program is the comprehensive nature of the degree supported by strong curricular sequencing of the course work.

Mission Statement & Program Goals

The Music Education Department of Johnson State College endeavors to create an inviting learning environment that provides a systematic, experience-based curriculum in the areas of self-reflection, curiosity and enthusiasm in its future educators. Successful music educators exhibit personal qualities of leadership, intellectual curiosity and social commitment. They approach life, music and the teaching profession in a positive, creative and enthusiastic way.

Musicians are most successful as teachers if they understand current structures, systems and practices in education. The music educator in this age of educational change and accountability must be able to express knowledge of teaching and learning through verbal communication (oral and written) and through overt, demonstrable high-level musical and teaching skills. Johnson graduates plan and implement effective, developmentally appropriate lessons and curricula based upon sound principles of content knowledge, skill development and pedagogy. They employ the National Standards in Music Education and use appropriate materials and strategies to develop students' critical thinking, problem solving and performance skills all while conveying their deep love of music.

The JSC faculty is dedicated to preparing its candidates for careers as professional music educators and to emulate and convey the following principles: pursuing excellence in education; a commitment to diversity and cultural awareness; excellence in musicianship, pedagogy, research and scholarship. Music educators from JSC enter the field with the skills, knowledge, confidence and enthusiasm to successfully provide their future students with a complete and fulfilling musical experience.

Music Education Degree Learning Outcomes

1. Demonstrate mastery of basic skills in reading, writing and mathematics by passing the Praxis I exam according to Vermont Guidelines.
2. Demonstrate knowledge of content areas (PreK-12 instrumental, choral, & general music) and successfully complete the Praxis II exam for the Music Content area with a score that meets the Vermont Certification Guidelines.

3. Be able to develop well-organized, standards-based lessons and unit plans in all content areas of certification (PreK-12 instrumental, choral & general music), as well as use them successfully in a variety of music classroom environments as evidenced by documentation included in an approved portfolio.
4. Be knowledgeable of both child and adolescent development, various exceptionalities, literacy development, technology integration, anti-discriminatory practice, and demonstrate skill in planning and carrying out varied instructional activities designed to support learning across a diverse student population.
5. Demonstrate skill in using reflection as a means of improving classroom teaching skills.
6. Demonstrate collaboration and advocacy skills by working successfully with colleagues, parents and the community at large for purpose of improving the music education experience for all children.
7. Demonstrate those teaching skills expected of a beginning music educator by successfully completing the required student teaching experience.
8. Develop skills in critical and creative thinking and apply these to music education as evidenced in the successful completion of the licensure portfolio.

Music Performance & Music Education Requirements

1. Music Performance Requirements

Choose either the Classical or Jazz Performance track. (53-54 credits)

Classical Performance Track

Required Courses

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1231 Music Theory I 3 credits
- The above courses should be taken concurrently.*

- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1232 Music Theory II 3 credits
- The above courses should be taken concurrently.*

- MUS-2053 Keyboard Harmony III 1 credits
- MUS-2023 Ear Training III 1 credits
- MUS-2313 Music Theory III 3 credits
- The above courses should be taken concurrently.*

- MUS-2054 Keyboard Harmony IV 1 credits
- MUS-2024 Ear Training IV 1 credits
- MUS-2314 Music Theory IV 3 credits
- The above courses should be taken concurrently.*

Subtotal for Classical Track: 20 credits

Jazz Performance Track

Required Courses

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1231 Music Theory I 3 credits

The above courses should be taken concurrently.

- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1232 Music Theory II 3 credits

The above courses should be taken concurrently.

- MUS-2211 Jazz/Contemporary Keyboard III 1 credits
- MUS-2023 Ear Training III 1 credits
- MUS-2013 Jazz/Contemporary Theory & Improvisation III 3 credits

The above courses should be taken concurrently.

- MUS-2212 Jazz/Contemporary Keyboard IV 1 credits
- MUS-2024 Ear Training IV 1 credits
- MUS-2014 Jazz/Contemporary Theory & Improvisation IV 3 credits

The above courses should be taken concurrently.

Subtotal for Jazz Track: 20 credits

Additional Requirements:

In addition to completing either the classical or jazz track above, students in the Music Performance & Music Education major must also complete the additional music performance requirements listed below, as well as the required history courses, music education tools courses, instrumental courses, choral courses, general music education courses that follow, and the licensure-specific course listed in the Education Department section of this catalog:

Additional Music Performance Requirements (21 credits)

- MUS-1120 Applied Music Lessons 1 credits (12 credits)(12 credits in one primary voice or instrument) *
- MUS-3240 Applied Music Lessons 2 credits (12 credits)(12 credits in one primary voice or instrument) *
- MUS-4030 Applied Music Lessons 3 credits (12 credits)(12 credits in one primary voice or instrument) *
- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits) (Must register every semester for 0, 0.5 or 1 credit) **
- MUS-3140 Arranging/Orchestration 3 credits
- MUS-4720 Senior Recital 2 credits

Required History Courses (9 credits)

- MUS-3031 History of Western Music I 3 credits
- MUS-3032 History of Western Music II 3 credits
- MUS-3330 Worlds of Music 3 credits (classical track) **OR**
- MUS-2040 Foreign Language Diction 2 credits (3 credits) (jazz track)

Plus a minimum of 8 additional music credits from the following list of courses:

- MUS-1120 Applied Music Lessons 1 credits in Guitar for 1 or more credits *
- MUS-3240 Applied Music Lessons 2 credits (1 credits) in Guitar for 1 or more credits *
- MUS-4720 Senior Recital 2 credits (1 credits) in Guitar for 1 or more credits *
- MUS-2040 Foreign Language Diction 2 credits
- MUS-2120 String Instrument Teaching Methods 2 credits
- MUS-3040 Jazz in America 3 credits (classical track) **OR**
- MUS-3330 Worlds of Music 3 credits (jazz track)
- Approved additional courses in Composition or Arranging/Orchestration
- Approved additional music courses chosen in consultation with an academic advisor

Note:

**Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they register for Applied Music/Voice Lessons until they complete the requirement.*

***Music majors must enroll in an ensemble for 0, 0.5 or 1 credit every semester that they are registered as a music major.*

2. Music Education Core Requirements (36 credits)

Note: Students must earn a B- or better in all the music education core courses listed below.

Required music education tools courses (11 credits)

- MUS-3215 Technology for the Music Classroom 3 credits
- MUS-3401 Conducting I 3 credits
- MUS-3402 Conducting II 3 credits
- MUS-4420 Seminar in Professional Preparation for Music Education 2 credits

Required instrumental courses (10 credits)

- MUS-2361 Instrumental Techniques I 3 credits
- MUS-2362 Instrumental Techniques II 3 credits
- MUS-3240 Applied Music Lessons 2 credits
- MUS-3310 Band Methods 2 credits

Required choral courses (7 credits)

- MUS-3060 Vocal Pedagogy K-12 2 credits
- MUS-3080 Choral Literature 2 credits
- MUS-3270 Choral Music Methods 3 credits

Required general music education courses (8 credits)

- MUS-2250 Introduction to Music Education 2 credits
- MUS-3160 Elementary School Music Methods 3 credits

- MUS-3120 Secondary School Music Methods 3 credits

Music Education (PreK-12) Teaching Endorsement (36 credits)

Students pursuing teaching endorsement in music education must complete the B.A. in Music & Music Education, additional teacher education and unified arts education endorsement-specific coursework, and in some cases additional content courses. Please refer to the Education Department section of this catalog for specific requirements.

General Education Core Requirements (20 credits)

- First-Year Seminar, 3 credits
- Creative Audience, 1 credit
- Foundation Skills: Written Expression, 6 credits
- Foundation Skills: Mathematics, 6 credits
- Foundation Skills: Natural Science, 4 credits
(Perspective and QE credits are embedded in Music and Education courses.)

Total Credits without General Education Core: 130 credits

Total Credits with General Education Core: 150 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Music: Composition (B.A.)

Bachelor of Arts in Music

The Bachelor of Arts in Music is a program designed for students who already have basic proficiency in an instrument or voice and who are interested in advanced training in areas of technique, music theory, music skills, composition, history and style. Concentrations are designed to allow the student to focus specifically in areas of performing (Jazz or Classical), sound engineering, composition or by developing a creative pathways program of study with the advisor to explore other areas of music. The BA in Music is designed for students who are seriously interested in pursuing advanced degrees or careers in music and the music industry. All concentrations include a senior project or capstone experience designed to help engage the student in thoughtful decision making regarding post-collegiate activities in music.

Learning Outcomes for Music Majors

1. Students will develop a broad range of knowledge in harmony; explore the content of melody; study several aspects of rhythm; learn how music develops from the perspective of form; and will combine the many resources of sound.
2. Students will attain the skills necessary to communicate musical ideas in written form and to read music from various resources.
3. Students will become familiar with the current available forms of music technology.
4. Students will apply all elements of study to music performance, recording, composition/arranging and internships.
5. Students will demonstrate an understanding of music as aural art.

Music Core Requirements

Required Core Courses

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1231 Music Theory I 3 credits
The above courses should be taken concurrently.

- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1232 Music Theory II 3 credits
The above courses should be taken concurrently.

- MUS-2023 Ear Training III 1 credits
- MUS-2024 Ear Training IV 1 credits

- MUS-2160 Introduction to Technology in Music 2 credits **OR**
- MUS-3215 Technology for the Music Classroom 3 credits

- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits) *
- MUS-3140 Arranging/Orchestration 3 credits

- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits

- MUS-3240 Applied Music Lessons 2 credits (6 credits) (all in one primary instrument and includes a required lab) **

Total: 30 credits

** Enrollment in a Music Ensemble is required of all students for every semester as a music major.*

*** Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they register for Applied Music/Voice Lessons until they complete the requirement.*

All Bachelor of Arts in Music major must complete the music concentration listed below in addition to the music core requirements.

Composition Concentration

Required Courses

- MUS-2053 Keyboard Harmony III 1 credits
- MUS-2313 Music Theory III 3 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.
- MUS-2054 Keyboard Harmony IV 1 credits
- MUS-2314 Music Theory IV 3 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.

Additional Requirements

- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits (whichever one not taken as part of the core requirements)
- MUS-3240 Applied Music Lessons 8 credits (in composition and for four semesters at 2 cr. each semester)
- MUS-3240 Applied Music Lessons 2 credits (in primary instrument and for 2 credits above core requirement)
- MUS-4270 Senior Recital in Composition 2 credits

Total: 24 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Music: Creative Pathways (B.A.)

Bachelor of Arts in Music

The Bachelor of Arts in Music is a program designed for students who already have basic proficiency in an instrument or voice and who are interested in advanced training in areas of technique, music theory, music skills, composition, history and style. Concentrations are designed to allow the student to focus specifically in areas of performing (Jazz or Classical), sound engineering, composition or by developing a creative pathways program of study with the advisor to explore other areas of music. The BA in Music is designed for students who are seriously interested in pursuing advanced degrees or careers in music and the music industry. All concentrations include a senior project or capstone experience designed to help engage the student in thoughtful decision making regarding post-collegiate activities in music.

Learning Outcomes for Music Majors

1. Students will develop a broad range of knowledge in harmony; explore the content of melody; study several aspects of rhythm; learn how music develops from the perspective of form; and will combine the many resources of sound.

2. Students will attain the skills necessary to communicate musical ideas in written form and to read music from various resources.
3. Students will become familiar with the current available forms of music technology.
4. Students will apply all elements of study to music performance, recording, composition/arranging and internships.
5. Students will demonstrate an understanding of music as aural art.

Music Core Requirements

Required Core Courses

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1231 Music Theory I 3 credits
The above courses should be taken concurrently.

- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1232 Music Theory II 3 credits
The above courses should be taken concurrently.

- MUS-2023 Ear Training III 1 credits
- MUS-2024 Ear Training IV 1 credits

- MUS-2160 Introduction to Technology in Music 2 credits **OR**
- MUS-3215 Technology for the Music Classroom 3 credits

- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits) *
- MUS-3140 Arranging/Orchestration 3 credits

- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits

- MUS-3240 Applied Music Lessons 2 credits (6 credits) (all in one primary instrument and includes a required lab) **

Total: 30 credits

** Enrollment in a Music Ensemble is required of all students for every semester as a music major.*

*** Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they register for Applied Music/Voice Lessons until they complete the requirement.*

All Bachelor of Arts in Music major must complete the music concentration listed below in addition to the music core requirements.

Creative Pathways Concentration

Complete one of the following sets of courses:

Set 1: Jazz/Contemporary

- MUS-2013 Jazz/Contemporary Theory & Improvisation III 3 credits
- MUS-2211 Jazz/Contemporary Keyboard III 1 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.
- MUS-2014 Jazz/Contemporary Theory & Improvisation IV 3 credits
- MUS-2212 Jazz/Contemporary Keyboard IV 1 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.

Set 2: Classical

- MUS-2313 Music Theory III 3 credits
- MUS-2053 Keyboard Harmony III 1 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.
- MUS-2314 Music Theory IV 3 credits
- MUS-2054 Keyboard Harmony IV 1 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.

Additional Requirements

- MUS-3240 Applied Music Lessons 2 credits (for 2 credits above core requirement)
- MUS-XXXX Music Electives 9 credits (under the guidance of an advisor)
- MUS-4810 Internship in Music 1-12 credits (2 credits)

Complete one of the following courses:

(in addition to the music history core requirement)

- MUS-3031 History of Western Music I 3 credits
- MUS-3032 History of Western Music II 3 credits
- MUS-3040 Jazz in America 3 credits
- MUS-3330 Worlds of Music 3 credits
- MUS-3050 The Social History of Rock & Roll 3 credits
- MUS-3220 History of Blues 3 credits
- MUS-3230 Survey of American Musical Theater 3 credits

Total: 24 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Music: Instrumental Performance, Classical (B.A.)

Bachelor of Arts in Music

The Bachelor of Arts in Music is a program designed for students who already have basic proficiency in an instrument or voice and who are interested in advanced training in areas of technique, music theory, music skills, composition, history and style. Concentrations are designed to allow the student to focus specifically in areas of performing (Jazz or Classical), sound engineering, composition or by developing a creative pathways program of study with the advisor to explore other areas of music. The BA in Music is designed for students who are seriously interested in pursuing advanced degrees or careers in music and the music industry. All concentrations include a senior project or capstone experience designed to help engage the student in thoughtful decision making regarding post-collegiate activities in music.

Learning Outcomes for Music Majors

1. Students will develop a broad range of knowledge in harmony; explore the content of melody; study several aspects of rhythm; learn how music develops from the perspective of form; and will combine the many resources of sound.
2. Students will attain the skills necessary to communicate musical ideas in written form and to read music from various resources.
3. Students will become familiar with the current available forms of music technology.
4. Students will apply all elements of study to music performance, recording, composition/arranging and internships.
5. Students will demonstrate an understanding of music as aural art.

Music Core Requirements

Required Core Courses

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1231 Music Theory I 3 credits
The above courses should be taken concurrently.

- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1232 Music Theory II 3 credits
The above courses should be taken concurrently.

- MUS-2023 Ear Training III 1 credits
- MUS-2024 Ear Training IV 1 credits

- MUS-2160 Introduction to Technology in Music 2 credits **OR**
- MUS-3215 Technology for the Music Classroom 3 credits

- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits) *
- MUS-3140 Arranging/Orchestration 3 credits

- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits

- MUS-3240 Applied Music Lessons 2 credits (6 credits) (all in one primary instrument and includes a required lab) **

Total: 30 credits

** Enrollment in a Music Ensemble is required of all students for every semester as a music major.*

*** Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they register for Applied Music/Voice Lessons until they complete the requirement.*

All Bachelor of Arts in Music major must complete the music concentration listed below in addition to the music core requirements.

Instrumental Performance: Classical Concentration

Required Courses

- MUS-2053 Keyboard Harmony III 1 credits
- MUS-2313 Music Theory III 3 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.
- MUS-2054 Keyboard Harmony IV 1 credits
- MUS-2314 Music Theory IV 3 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.
- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits (whichever one not taken as part of the core)
- MUS-3240 Applied Music Lessons 2 credits (6 credits) (in primary instrument and for 6 credits above core requirement)
- MUS-3000/4000 Music Elective at the 3000/4000 level 3 credits (under the guidance of an advisor)
- MUS-4720 Senior Recital 2 credits

Total: 22 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Music: Instrumental Performance, Jazz/Contemporary (B.A.)

Bachelor of Arts in Music

The Bachelor of Arts in Music is a program designed for students who already have basic proficiency in an instrument or voice and who are interested in advanced training in areas of technique, music theory, music skills, composition, history and style. Concentrations are designed to allow the student to focus specifically in areas of performing (Jazz or

Classical), sound engineering, composition or by developing a creative pathways program of study with the advisor to explore other areas of music. The BA in Music is designed for students who are seriously interested in pursuing advanced degrees or careers in music and the music industry. All concentrations include a senior project or capstone experience designed to help engage the student in thoughtful decision making regarding post-collegiate activities in music.

Learning Outcomes for Music Majors

1. Students will develop a broad range of knowledge in harmony; explore the content of melody; study several aspects of rhythm; learn how music develops from the perspective of form; and will combine the many resources of sound.
2. Students will attain the skills necessary to communicate musical ideas in written form and to read music from various resources.
3. Students will become familiar with the current available forms of music technology.
4. Students will apply all elements of study to music performance, recording, composition/arranging and internships.
5. Students will demonstrate an understanding of music as aural art.

Music Core Requirements

Required Core Courses

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1231 Music Theory I 3 credits
The above courses should be taken concurrently.

- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1232 Music Theory II 3 credits
The above courses should be taken concurrently.

- MUS-2023 Ear Training III 1 credits
- MUS-2024 Ear Training IV 1 credits

- MUS-2160 Introduction to Technology in Music 2 credits **OR**
- MUS-3215 Technology for the Music Classroom 3 credits

- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits) *
- MUS-3140 Arranging/Orchestration 3 credits

- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits

- MUS-3240 Applied Music Lessons 2 credits (6 credits) (all in one primary instrument and includes a required lab) **

Total: 30 credits

** Enrollment in a Music Ensemble is required of all students for every semester as a music major.*

*** Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they register for Applied Music/Voice Lessons until they complete the requirement.*

All Bachelor of Arts in Music major must complete the music concentration listed below in addition to the music core requirements.

Instrumental Performance: Jazz/Contemporary Concentration

Required Courses

- MUS-2013 Jazz/Contemporary Theory & Improvisation III 3 credits
- MUS-2211 Jazz/Contemporary Keyboard III 1 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.
- MUS-2014 Jazz/Contemporary Theory & Improvisation IV 3 credits
- MUS-2212 Jazz/Contemporary Keyboard IV 1 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.
- MUS-3040 Jazz in America 3 credits
- MUS-3240 Applied Music Lessons 2 credits (6 credits) (in primary instrument and for 6 credits above core requirement)
- MUS-3000/4000 Music elective at the 3000/4000 level 3 credits (under the guidance of an advisor)
- MUS-4720 Senior Recital 2 credits

Total: 22 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Music: Sound Engineering (B.A.)

Bachelor of Arts in Music

The Bachelor of Arts in Music is a program designed for students who already have basic proficiency in an instrument or voice and who are interested in advanced training in areas of technique, music theory, music skills, composition, history and style. Concentrations are designed to allow the student to focus specifically in areas of performing (Jazz or Classical), sound engineering, composition or by developing a creative pathways program of study with the advisor to explore other areas of music. The BA in Music is designed for students who are seriously interested in pursuing advanced degrees or careers in music and the music industry. All concentrations include a senior project or capstone experience designed to help engage the student in thoughtful decision making regarding post-collegiate activities in music.

Learning Outcomes for Music Majors

1. Students will develop a broad range of knowledge in harmony; explore the content of melody; study several aspects of rhythm; learn how music develops from the perspective of form; and will combine the many resources of sound.
2. Students will attain the skills necessary to communicate musical ideas in written form and to read music from various resources.
3. Students will become familiar with the current available forms of music technology.
4. Students will apply all elements of study to music performance, recording, composition/arranging and internships.
5. Students will demonstrate an understanding of music as aural art.

Music Core Requirements

Required Core Courses

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1231 Music Theory I 3 credits
The above courses should be taken concurrently.

- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1232 Music Theory II 3 credits
The above courses should be taken concurrently.

- MUS-2023 Ear Training III 1 credits
- MUS-2024 Ear Training IV 1 credits

- MUS-2160 Introduction to Technology in Music 2 credits **OR**
- MUS-3215 Technology for the Music Classroom 3 credits

- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits) *
- MUS-3140 Arranging/Orchestration 3 credits

- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits

- MUS-3240 Applied Music Lessons 2 credits (6 credits) (all in one primary instrument and includes a required lab) **

Total: 30 credits

** Enrollment in a Music Ensemble is required of all students for every semester as a music major.*

*** Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they register for Applied Music/Voice Lessons until they complete the requirement.*

All Bachelor of Arts in Music major must complete the music concentration listed below in addition to the music core requirements.

Sound Engineering Concentration

Complete one of the following sets of courses:

Set 1: Jazz/Contemporary

- MUS-2013 Jazz/Contemporary Theory & Improvisation III 3 credits
- MUS-2211 Jazz/Contemporary Keyboard III 1 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.
- MUS-2014 Jazz/Contemporary Theory & Improvisation IV 3 credits
- MUS-2212 Jazz/Contemporary Keyboard IV 1 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.

Set 2: Classical

- MUS-2053 Keyboard Harmony III 1 credits
- MUS-2313 Music Theory III 3 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.
- MUS-2054 Keyboard Harmony IV 1 credits
- MUS-2314 Music Theory IV 3 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.

Additional Required Courses:

- MUS-2231 Studio Recording I 3 credits
- MUS-3272 Studio Recording II 3 credits
- MUS-4020 Final Production in Studio Recording 2 credits
- MUS-4810 Internship in Music 1-12 credits

Complete one of the following courses:

(in addition to the music history core requirement)

- MUS-3031 History of Western Music I 3 credits
- MUS-3032 History of Western Music II 3 credits
- MUS-3040 Jazz in America 3 credits
- MUS-3050 The Social History of Rock & Roll 3 credits
- MUS-3220 History of Blues 3 credits
- MUS-3330 Worlds of Music 3 credits

Total: 22 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Music: Vocal Performance, Classical (B.A.)

Bachelor of Arts in Music

The Bachelor of Arts in Music is a program designed for students who already have basic proficiency in an instrument or voice and who are interested in advanced training in areas of technique, music theory, music skills, composition, history and style. Concentrations are designed to allow the student to focus specifically in areas of performing (Jazz or Classical), sound engineering, composition or by developing a creative pathways program of study with the advisor to explore other areas of music. The BA in Music is designed for students who are seriously interested in pursuing advanced degrees or careers in music and the music industry. All concentrations include a senior project or capstone experience designed to help engage the student in thoughtful decision making regarding post-collegiate activities in music.

Learning Outcomes for Music Majors

1. Students will develop a broad range of knowledge in harmony; explore the content of melody; study several aspects of rhythm; learn how music develops from the perspective of form; and will combine the many resources of sound.
2. Students will attain the skills necessary to communicate musical ideas in written form and to read music from various resources.
3. Students will become familiar with the current available forms of music technology.
4. Students will apply all elements of study to music performance, recording, composition/arranging and internships.
5. Students will demonstrate an understanding of music as aural art.

Music Core Requirements

Required Core Courses

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1231 Music Theory I 3 credits
- The above courses should be taken concurrently.

- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1232 Music Theory II 3 credits
- The above courses should be taken concurrently.

- MUS-2023 Ear Training III 1 credits
- MUS-2024 Ear Training IV 1 credits

- MUS-2160 Introduction to Technology in Music 2 credits **OR**
- MUS-3215 Technology for the Music Classroom 3 credits

- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits) *
- MUS-3140 Arranging/Orchestration 3 credits

- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits
- MUS-3240 Applied Music Lessons 2 credits (6 credits) (all in one primary instrument and includes a required lab) **

Total: 30 credits

** Enrollment in a Music Ensemble is required of all students for every semester as a music major.*

*** Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they register for Applied Music/Voice Lessons until they complete the requirement.*

All Bachelor of Arts in Music major must complete the music concentration listed below in addition to the music core requirements.

Vocal Performance: Classical Concentration

Required Courses

- MUS-2053 Keyboard Harmony III 1 credits
- MUS-2313 Music Theory III 3 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.
- MUS-2054 Keyboard Harmony IV 1 credits
- MUS-2314 Music Theory IV 3 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.
- MUS-2040 Foreign Language Diction 2 credits
- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits (whichever one not taken as part of the core requirements)
- MUS-3060 Vocal Pedagogy K-12 2 credits
- MUS-3240 Applied Music Lessons 2 credits (6 credits) (for 6 credits above core requirement)
- MUS-4720 Senior Recital 2 credits

Total: 23 credits

Additional music and non-music electives recommended:

- DAN-1010 Fundamentals of Dance 3 credits
- DAN-2131 Ballet 3 credits
- FRE-1111 French I 3 credits
- FRE-1111L French I Lab 1 credits
- FRE-1112 French II 3 credits
- FRE-1112L French II Lab 1 credits
- MUS-3230 Survey of American Musical Theater 3 credits

- MUS-3260 Music Theater Workshop 3 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Music: Vocal Performance, Jazz/Contemporary (B.A.)

Bachelor of Arts in Music

The Bachelor of Arts in Music is a program designed for students who already have basic proficiency in an instrument or voice and who are interested in advanced training in areas of technique, music theory, music skills, composition, history and style. Concentrations are designed to allow the student to focus specifically in areas of performing (Jazz or Classical), sound engineering, composition or by developing a creative pathways program of study with the advisor to explore other areas of music. The BA in Music is designed for students who are seriously interested in pursuing advanced degrees or careers in music and the music industry. All concentrations include a senior project or capstone experience designed to help engage the student in thoughtful decision making regarding post-collegiate activities in music.

Learning Outcomes for Music Majors

1. Students will develop a broad range of knowledge in harmony; explore the content of melody; study several aspects of rhythm; learn how music develops from the perspective of form; and will combine the many resources of sound.
2. Students will attain the skills necessary to communicate musical ideas in written form and to read music from various resources.
3. Students will become familiar with the current available forms of music technology.
4. Students will apply all elements of study to music performance, recording, composition/arranging and internships.
5. Students will demonstrate an understanding of music as aural art.

Music Core Requirements

Required Core Courses

- MUS-1051 Keyboard Harmony I 1 credits
 - MUS-1061 Ear Training I 1 credits
 - MUS-1231 Music Theory I 3 credits
- The above courses should be taken concurrently.
- MUS-1052 Keyboard Harmony II 1 credits
 - MUS-1062 Ear Training II 1 credits
 - MUS-1232 Music Theory II 3 credits
- The above courses should be taken concurrently.
- MUS-2023 Ear Training III 1 credits

- MUS-2024 Ear Training IV 1 credits
- MUS-2160 Introduction to Technology in Music 2 credits **OR**
- MUS-3215 Technology for the Music Classroom 3 credits
- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits) *
- MUS-3140 Arranging/Orchestration 3 credits
- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits
- MUS-3240 Applied Music Lessons 2 credits (6 credits) (all in one primary instrument and includes a required lab) **

Total: 30 credits

** Enrollment in a Music Ensemble is required of all students for every semester as a music major.*

*** Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they register for Applied Music/Voice Lessons until they complete the requirement.*

All Bachelor of Arts in Music major must complete the music concentration listed below in addition to the music core requirements.

Vocal Performance - Jazz/Contemporary Concentration

Required Courses

- MUS-2013 Jazz/Contemporary Theory & Improvisation III 3 credits
- MUS-2211 Jazz/Contemporary Keyboard III 1 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.
- MUS-2014 Jazz/Contemporary Theory & Improvisation IV 3 credits
- MUS-2212 Jazz/Contemporary Keyboard IV 1 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.
- MUS-3040 Jazz in America 3 credits
- MUS-3060 Vocal Pedagogy K-12 2 credits
- MUS-3240 Applied Music Lessons 2 credits (6 credits) (for 6 credits above core requirement)
- MUS-XXXX Music Elective 2 credits (under the guidance of an advisor)
- MUS-4270 Senior Recital 2 credits

Total: 23 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Musical Theater (B.A.)

The B.A. in musical theater will link already-existing programs in theater, music and dance, relying primarily on present resources in the Performing Arts Department and creating several new classes unique to the demands of singer/actor training, a market whose growth in the New England area has been quite sturdy in the past decade. The program will require 55 credits in theater and music, including up to 3 classes in dance and an internship. This degree brings theater, music and dance together in a collaboration designed to enhance the employment possibilities/potential of singer/actors and widen their career prospects as performers, training them to compete in the musical theater market.

Learning Outcomes for Musical Theater Majors

1. Demonstrate fluency in all facets of theater/music including writing, speech, sight reading and performance.
2. Possess the verbal and writing skills to analyze, criticize and interpret both music and play script.
3. Master skills of acting, singing and dance both on and off the stage.
4. Articulate the role of musical theater and theater in creating and sustaining community and local culture.
5. Describe and apply knowledge of audience development, theater production and the economic sustainability of a theater company or service.

Musical Theater Requirements

Required Courses

Theater Requirements (19 credits)

- THA-1041 Introduction to Theater Arts 3 credits
- THA-2035 Costume Construction & Stage Makeup 3 credits

- THA-2121 Acting I 3 credits **AND**
- THA-2121L Acting I Lab 1 credits *

- THA-2122 Acting II 3 credits
- THA-3123 Acting III 3 credits
- THA-4730 Seminar in Professional Preparation for the Actor 3 credits

Subtotal: 19 credits

**Students registering for THA-2121 Acting I must also register for the THA-2121L Acting I Lab for 1 credit.*

Music Requirements (15 credits)

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1120 Applied Music Lessons 1 credits (10 credits) **
- MUS-3240 Applied Music Lessons 2 credits (10 credits) **
- MUS-1231 Music Theory I 3 credits

Subtotal: 15 credits

**Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they are registered for Applied Music/Voice Lessons until they complete the requirement.

Musical Theater Requirements (15 credits)

- MUS-2350 Music Theater Production 3 credits (6 credits) (take two times at 3 credits each)
- MUS-4010 Music Theater Production 3 credits (6 credits) (take two times at 3 credits each)
- MUS-3230 Survey of American Musical Theater 3 credits
- MUS-3260 Music Theater Workshop 3 credits (6 credits) (take two times at 3 credits each)

Subtotal: 15 credits

Dance Requirements

(6 credits minimum* from following courses, based on dance placement)

*Through a combination of demonstrated proficiency in the freshman musical theater dance placement and dance course enrollment, musical theater majors must demonstrate fundamental skills in a minimum of three dance styles from the following: Jazz, Tap and Ballet or Modern Dance. A minimum of six credits is required in dance for the musical theater major; however, students with no previous dance experience may need up to 12 credits of dance instruction in order to demonstrate proficiency.

- DAN-1010 Fundamentals of Dance 3 credits
- DAN-1020 Fundamentals of Jazz Dance 3 credits
- DAN-1111 Modern Dance 3 credits
- DAN-2040 Beginning Tap Dance 2 credits
- DAN-2131 Ballet 3 credits
- DAN-3020 Intermediate Ballet: Technique & History 3 credits
- DAN-3112 Intermediate Modern Dance: Technique & History 3 credits
- DAN-3130 Jazz Dance 3 credits
- DAN-4130 Advanced Ballet/Modern Dance: Technique & History 3 credits

Subtotal: 6 credits

Total: 55 credits

- Students who do not pass the MUS-1231 Music Theory I and Keyboard Placement Exams/Hearings will need to complete MUS-1030 Music Fundamentals, and MUS-1050 Elementary Piano Class, prior to enrolling in the MUS-1231 Music Theory I core courses.
- It is highly recommended that musical theater students have fundamental keyboard skills to aid in learning vocal lines.
- Musical Theater majors are expected to audition for the spring musical production every year that they are enrolled as a musical theater major.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Studio Arts (B.F.A.)

The BFA in Studio Arts degree offers a solid background in traditional studio media while at the same time entering the latest in digital art technology. Students get a firm foundation in drawing, painting, sculpture, digital media and art history, with additional electives in photography, printmaking and ceramics. Students go on to create their own self-designed concentration. Admission to the program (generally in the sophomore or junior year) must be followed by a minimum of three semesters of studio work before the thesis exhibition. A student is admitted into the program only upon recommendation by the studio arts faculty and approval by the chairperson, following a successful portfolio review. All majors must participate in the monthly BFA critiques held in the Visual Arts Center Gallery. Each candidate for the BFA must present an exhibition and gallery talk during the final year of study. This exhibit is prepared under the guidance and supervision of the art faculty and must demonstrate proficiency in a chosen area of concentration. Once admitted into the BFA program via their BFA review, students must achieve grades of B- or higher in all ART and ARH courses.

Learning Outcomes for Studio Arts Majors

In addition to the outcomes for the B.A. in art, students with a B.F.A. in studio arts should also be able to:

1. Be familiar with the professional art world, from the perspective of career options, including exhibition venues, graduate school and grant opportunities.
2. Assemble a professional portfolio.
3. Understand the mechanics of setting up a safe and functioning studio.
4. Know how to do a professional exhibition of their art, write about their art and speak about their art at a public event.

Studio Arts Requirements

Required Courses

- ARH-2010 Survey of Western Traditions in Art 3 credits
- ARH-2060 Survey of Non-Western Traditions in Art 3 credits
- ART-1011 Drawing I 3 credits
- ART-1140 Design 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- ART-2211 Painting I 3 credits
- ART-2251 Sculpture I 3 credits

Subtotal: 21 credits

Introductory Studio Electives

(Select two courses)

- ART-1231 Ceramics I 3 credits
- ART-2150 Jewelry & Metalsmithing 3 credits

- ART-2301 Photography I 3 credits
- ART-2410 Introduction to Printmaking 3 credits

Subtotal: 6 credits

Advanced Art History Electives

(Select two courses)

- ARH-3015 Greek & Roman Art 3 credits
- ARH-3020 Art of the Renaissance 3 credits
- ARH-3060 Twentieth Century Art 3 credits
- ARH-3110 The Spiritual in Non-Western Art 3 credits
- ARH-3120 Art Criticism 3 credits
- ARH-3130 The History of Photography 3 credits
- ARH-3140 African Art 3 credits
- ARH-3150 Art of the Human Body 3 credits
- ARH-3210 Women in Art 3 credits
- ARH-4710 Special Topics in Art History 3 credits

Subtotal: 6 credits

Advanced Studio Electives

(Select 6 courses)

(All advanced studio courses may be repeated for credit. See below.)

- ART-3031 Life Drawing 3 credits
- ART-3032 Advanced Drawing 3 credits
- ART-3040 Landscape Painting 3 credits
- ART-3222 Ceramics II 3 credits
- ART-3314 Advanced Printmaking 3 credits
- ART-3320 Monoprints 3 credits
- ART-4020 Advanced Digital Media 3 credits
- ART-4040 Advanced Photography 3 credits
- ART-4050 Advanced Painting 3 credits
- ART-4060 Advanced Digital: Graphic Design 3 credits
- ART-4070 Advanced Digital: Web Design for Artists 3 credits
- ART-4110 Visual Art & Performance 3 credits
- ART-4130 Advanced Sculpture 3 credits
- ART-4710 Special Topics in Art 3 credits

Subtotal: 18 credits

Required Capstone Courses:

- ART-4120 B.F.A. Project & Exhibit 3 credits

- ARH-4720 Seminar in Contemporary Art Issues 3 credits
- ART-4730 B.F.A. Seminar 3 credits

Subtotal: 9 credits

Total: 60 credits

- *Students may take the same Advanced Studio course more than once, but no more than twice with the SAME professor unless given special permission by the department chair.*
- *Grades for BFA Thesis Exhibition will be determined by the thesis advisor in consultation with the full department.*
- *Once admitted into the BFA program via their BFA Review, students must achieve grades of B- or higher in all ART and ARH courses.*

Art Education (PreK-12) Teaching Endorsement

Students pursuing a license to teach art in grades PreK-12 must complete either the B.A. in Art or the B.F.A. in Studio Arts as well as specific teacher-education coursework and requirements. Please refer to the Unified Arts Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Technical Theater (A.A.)

This career-oriented program includes course work in technical theater skills (stagecraft, lighting and design, music and audio engineering), studio and performing arts, and general management; an internship is required.

Learning Outcomes for Technical Theater Majors

Competency #1: Awareness of and Competency in 21st Century Literacies

Students will:

1. Be able to produce an electronic portfolio of their learning journey, specifically focused on the degree program, in hopes it will become a lifelong process.
2. Demonstrate creativity and collaboration.
3. Expand their global awareness and exposure to diversity and communities.
4. Be able to use information and computer technology.
5. Have an increased civic and economic awareness.
6. Demonstrate basic quantitative reasoning and skills, especially geospatial literacy.
7. Have opportunities to develop leadership.
8. Develop their personal learning network.

9. Be employable in a 21st-century work environment.
10. Be aware of the environmental implications of their discipline.

Competency #2: General Backstage Knowledge and Aptitude

Students will:

1. Demonstrate knowledge of stage etiquette, correct communication and nomenclature.
2. Demonstrate safety and hazard awareness.
3. Understand the organization structure of the theater, related job descriptions, and fulfilling their position(s) within.
4. Consistently exhibit professional attitude, attendance and behavior.
5. Students will collaborate and communicate productively with the crew.

Competency #3: Basic Stage Carpentry Skills

Students will:

1. Demonstrate knowledge of the fly system: loading, mechanics, safety and flying.
2. Understand sight lines, trims, proper handling of masking and drops.
3. Understand basic rigging: knots, shackles, slings, wire clamps, etc.
4. Understand basic set assembly: basic tools and safety, flats and platform, construction, jacks, pipe structures, etc.
5. Load-in, set-up and load-out road shows of all types.
6. Collaborate and communicate productively with a diversity of visions.

Competency #4: Basic Knowledge of Stage Lighting and Set Design and Implementation for Theater, Music and Dance

Students will:

1. Analyze a script, present a storyboard or creative interpretation and concept of the design.
2. Draft a lighting plot, with all related paper work: patch, instrument schedule, cut list, focus chart, etc.
3. Understand WYSIWYG and Emphasis software.
4. Operate, design with and understand intelligent fixtures and other DMX accessories.
5. Understand stage electrics: safety, loads, instruments, maintenance, read, hang, circuit, focus, color and trouble shoot a plot.
6. Demonstrate basic board skills: load a plot, patch, record Q's, Subs and operate.
7. Design a show: document collaboration from concept to actualization.

Competency #5: Basic Knowledge of Sound Systems, Be Able to Set Up, Understand Components, Operate for Theater, Music and Dance

Students will:

1. Understand and use Digital Performer software and other Audio programs.
2. Have a basic understanding of sound theory including EQ, decibels, frequencies, etc.

3. Understand basic system set-ups: Dibden, Performance Space and Andy Shapiro Recording Studio, including: power, tie-ins, FOH, Monitors, Amps, crossover and drive rack configurations.
4. Design sound plots with speaker and mic placement, theory and practice, in each genre.
5. Mix live and for recording when possible for all genres: rock, classical, jazz, folk, pop, theater and musical theater.
6. Be able to set up headsets, hard of hearing systems, lectures, etc., independently.
7. Load-in, set-up and load-out different road shows.
8. Collaborate and communicate productively with a diversity of visitors.

Required Courses

- THA-1041 Introduction to Theater Arts 3 credits
- THA-1111 Stagecraft 3 credits
- THA-2020 Theater Lab 3 credits (12 credits) (4 times; 2 upper-level, 2 lower-level)
- THA-2810 Internship in Theater 1-12 credits (6 credits)
- THA-3130 Introduction to Scene Design & Stage Lighting 3 credits

Career Concentration Component

This component permits students to customize and focus their studies. Students must complete all course work listed within at least one of the following clusters and must complete 12 credits in all:

Performing Arts

(Take 3 of the following courses)

- THA-1040 Interpreting Contemporary Dramatic Literature 3 credits
- THA-2030 Costume History & Design 3 credits
- THA-2035 Costume Construction & Stage Makeup 3 credits

- THA-2121 Acting I 3 credits **AND**
- THA-2121L Acting I Lab 1 credits *

Business Management

- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2140 Personal Finance 3 credits
- BUS-2410 Human Resource Management 3 credits

Computer Information Systems

- CIS-2220 Website Design 3 credits
- CIS-3040 Database 3 credits
- CIS-4120 Systems Analysis & Design 3 credits

Music & Audio Technology

- MUS-2160 Introduction to Technology in Music 2 credits (3 credits)
- MUS-2231 Studio Recording I 3 credits
- MUS-3272 Studio Recording II 3 credits

Fine & Studio Arts

- ARH-2010 Survey of Western Traditions in Art 3 credits
- ART-1011 Drawing I 3 credits
- ART-1140 Design 3 credits

Total: 43 credits

**Students registering for THA-2121 Acting I must also register for the THA-2121L Acting I Lab for 1 credit.*

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Theater & Drama (B.A.)

The B.A. in Theater and Drama is designed to serve students who aspire to become theater performers, teachers, theater technicians and managers or those who wish simply to gain a broader knowledge and understanding of themselves and the world around them as part of a strong liberal arts education. It also prepares students for graduate work.

Learning Outcomes for Theater & Drama Majors

1. Students will articulate their grasp of the many facets of theater, including its history, literature and performance, through writing, speech and their own performance.
2. Students will acquire the verbal and writing skills necessary to master the processes of analysis, criticism and interpretation unique to theater and, yet, interdisciplinary as well.
3. Students will develop their skills in acting, directing, design and management both on and offstage and in the classroom, making the link between the "page" and the "stage."
4. Students will be prepared to succeed in the professional world of theater, in graduate school, teaching or working in community settings.
5. Students will collaborate with fellow students and faculty in developing their own levels of focus, discipline and responsibility within a creative environment.

Theater & Drama Requirements

Required Courses

- THA-1040 Interpreting Contemporary Dramatic Literature 3 credits
- THA-1041 Introduction to Theater Arts 3 credits
- THA-2121 Acting I 3 credits
- THA-2121L Acting I Lab 1 credits *

Subtotal: 10 credits

**Students registering for THA-2121 Acting I must also register for the THA-2121L Acting I Lab for 1 credit.*

Historical & Literary Studies

- THA-2030 Costume History & Design 3 credits
- THA-3010 Shakespeare: On the Stage & On the Page 3 credits
- THA-3110 Dramatic Literature: Classical/Modern 3 credits
- THA-3140 Theater History 3 credits

Subtotal: 12 credits

Production & Performance Skills

- THA-1111 Stagecraft 3 credits
- THA-2122 Acting II 3 credits
- THA-3210 Introduction to Directing 4 credits

Subtotal: 10 credits

Elective

(select 1 course from the following)

- DAN-2030 Improvisation/Composition: Intermediate/Advanced Level 4 credits
- DAN-3030 Improvisation/Composition: Intermediate/Advanced Level 4 credits
- DAN-3010 The Renaissance Spirit 3 credits
- THA-2035 Costume Construction & Stage Makeup 3 credits
- THA-3030 Children's Theater 3 credits
- THA-3040 Improvisation for Actors 3 credits
- THA-3123 Acting III 3 credits

Subtotal: 3-4 credits

Laboratory Experiences

- THA-2040 Performance & Production Lab 3 credits **OR**
- THA-4010 Performance & Production Lab 3 credits

Subtotal: 3 credits

Capstone Courses

- THA-4720 Senior Project in Theater 3 credits **
- THA-4730 Seminar in Professional Preparation for the Actor 3 credits

Subtotal: 6 credits

Total: 44-45 credits

*** If students elect to direct their own theater production as their senior project, THA-3150 Introduction to Stage Management, and THA-3210 Introduction to Directing, will be pre-requisites for their senior project.*

Theater Arts Education (PreK-12) Teaching Endorsement

Students pursuing teaching endorsement in theater arts education must complete the B.A. in Theater & Drama, additional teacher education core program requirements, unified arts education program coursework and unified arts education endorsement-specific coursework. Please refer to the Education Department section of this catalog for specific requirements.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Minor

Art History Minor

Required Courses

- ARH-2010 Survey of Western Traditions in Art 3 credits
- ARH-2060 Survey of Non-Western Traditions in Art 3 credits

Subtotal: 6 credits

Introductory Studio Electives (select two courses):

- ART-1011 Drawing I 3 credits
- ART-1231 Ceramics I 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- ART-2150 Jewelry & Metalsmithing 3 credits
- ART-2211 Painting I 3 credits
- ART-2251 Sculpture I 3 credits
- ART-2301 Photography I 3 credits
- ART-2410 Introduction to Printmaking 3 credits

Subtotal: 6 credits

Advanced Art History Electives (select three courses):

- ARH-3015 Greek & Roman Art 3 credits
- ARH-3020 Art of the Renaissance 3 credits
- ARH-3060 Twentieth Century Art 3 credits
- ARH-3110 The Spiritual in Non-Western Art 3 credits
- ARH-3120 Art Criticism 3 credits
- ARH-3130 The History of Photography 3 credits
- ARH-3140 African Art 3 credits
- ARH-3150 Art of the Human Body 3 credits
- ARH-3210 Women in Art 3 credits
- ARH-4710 Special Topics in Art History 3 credits
- ARH-4720 Seminar in Contemporary Art Issues 3 credits

Subtotal: 9 credits

Total: 21 credits

Arts Management Minor for Fine & Performing Arts Majors

Required Courses

- ACC-2121 Financial Accounting 4 credits
- ACC-2122 Managerial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-2410 Human Resource Management 3 credits
- CIS-1430 Spreadsheets 3 credits
- ECO-1020 Introduction to Economics 3 credits **OR**
- ECO-2020 Macroeconomics 3 credits **OR**
- ECO-2030 Microeconomics 3 credits

Total: 23 credits

Dance Minor

The minor in dance exposes students to the vital aspects of the art as performers, creators and observers. Courses provide students with a conceptual, historical and technical background. Advanced students may become members of the Johnson Dance Ensemble, our student dance company or may have the opportunity to become an apprentice in the Vermont Dance Collective.

Required Courses

The dance minor consists of a minimum of 24 credits selected from the following courses:

- DAN-1010 Fundamentals of Dance 3 credits
- DAN-1111 Modern Dance 3 credits

- DAN-2010 Folk Dance 3 credits
- DAN-2030 Improvisation/Composition: Intermediate/Advanced Level 4 credits
- DAN-2131 Ballet 3 credits
- DAN-3020 Intermediate Ballet: Technique & History 3 credits
- DAN-3030 Improvisation/Composition: Intermediate/Advanced Level 4 credits
- DAN-3112 Intermediate Modern Dance: Technique & History 3 credits
- DAN-3130 Jazz Dance 3 credits
- DAN-4130 Advanced Ballet/Modern Dance: Technique & History 3 credits

Total: 24 credits

Music Minor

The music minor exposes students to a broad overview of music and is an option for students who want to continue playing and studying music but are majoring in another field. Individual lessons and performance opportunities are offered in both traditional and jazz/contemporary settings.

Required Courses

- MUS-1015 Meet the Masters 3 credits
- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1231 Music Theory I 3 credits
- MUS-1232 Music Theory II 3 credits
- Select any two additional MUS courses, at least one of which is at the 3000 level 6 credits

Select any combination:

(4 credits total)

- MUS-1120 Applied Music Lessons 1 credits
- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (1 credits)
- MUS-3240 Applied Music Lessons 2 credits

Total: 23 credits

Studio Arts Minor

The minor in studio arts combines foundation work in drawing and art history with study in the student's choice of four studio areas.

Required Courses

- ARH-2010 Survey of Western Traditions in Art 3 credits
- ARH-2060 Survey of Non-Western Traditions in Art 3 credits
- ART-1011 Drawing I 3 credits

Introductory Studio Electives:

(select four courses)

- ART-1231 Ceramics I 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- ART-2150 Jewelry & Metalsmithing 3 credits
- ART-2211 Painting I 3 credits
- ART-2251 Sculpture I 3 credits
- ART-2301 Photography I 3 credits
- ART-2410 Introduction to Printmaking 3 credits

Subtotal: 12 credits

Total: 21 credits

Note: Upper-level studio courses may be substituted for up to 2 of the introductory studio electives.

Theater Minor

The minor in theater provides both a conceptual and practical study of performance and production, as well as a basic historical and literary background.

Required Courses

- THA-1041 Introduction to Theater Arts 3 credits
- THA-1111 Stagecraft 3 credits
- THA-3140 Theater History 3 credits

Select three courses from the following:

- THA-2121 Acting I 3 credits **AND**
- THA-2121L Acting I Lab 1 credits *
- THA-2122 Acting II 3 credits
- THA-3030 Children's Theater 3 credits
- THA-3123 Acting III 3 credits
- THA-3130 Introduction to Scene Design & Stage Lighting 3 credits
- THA-3210 Introduction to Directing 4 credits (3 credits)

Select one course from the following:

(Complete THA 3140 before taking these courses):

- THA-3010 Shakespeare: On the Stage & On the Page 3 credits
- THA-3110 Dramatic Literature: Classical/Modern 3 credits

Total: 21-22 credits

**Students registering for THA-2121 Acting I must also register for the THA-2121L Acting I Lab for 1 credit.*

Humanities

Faculty/Staff

N.E. Bou-Nacklie, *Professor*
William Doyle, *Professor*
Paul Silver, *Professor, Department Chair*
Sharon Cline, *Associate Professor*
David Plazek, *Associate Professor*
Sandra Noyes, *Staff Assistant*

The Department of Humanities offers courses with the following designators: FRE (French), HIS (history), HUM (humanities), INT (interdisciplinary), PHI (philosophy), POS (political science) and SPA (Spanish). See full Course Descriptions.

Major

General Studies (A.A.)

This two-year program exposes students to a range of disciplines and provides a sound educational base for future studies at the bachelor's or professional level.

Required Courses

Sixty credits are needed for the degree. Students in the Associate of Arts (A.A.) in General Studies program must complete the Fundamental Skills and Disciplinary Exploration (taking one course from each of the seven sub-categories) components of the General Education Core Curriculum. The remaining credits are electives chosen from 1000- and 2000-level courses in consultation with an advisor.

History (B.A.)

History is recognized as a field central to the liberal arts tradition. Its study of the variety and diversity of human experience through time is vital to developing an educated perspective on the world today.

A history major is an appropriate and useful one for students planning to enter the fields of teaching, public service, museum work, historical preservation and law, as well as those intending to study at the graduate level.

Learning Outcomes for History Majors

Each graduate will:

1. Have a general knowledge of the human past and geographical literacy, including events, ideas and individuals that have shaped the world through time.
2. Have an understanding of the economic, political, social, cultural and religious historical forces and the complexity of events that reflect the diversity of human experience.
3. Have specific regional and temporal knowledge of "Western" and "non-Western" cultures.
4. Be competent in locating, evaluating, synthesizing and analyzing historical evidence from primary sources and/or documents.
5. Be capable of understanding, defending, critiquing and developing historical interpretations.
6. Successfully communicate, in oral and written form, his or her findings and interpretations, using proper documentations and scholarly conventions.

Required Courses

Category I

- HIS-1111 World History I 3 credits
- HIS-1112 World History II 3 credits
- HIS-1211 American History I 3 credits
- HIS-1212 American History II 3 credits
- HIS-4730 Seminar in Historical Communication 3 credits
- HIS-4740 Seminar in Historical Investigation 3 credits

Subtotal: 18 credits

Electives

Take eight upper-level elective courses from Categories II and III below. Electives must include at least two courses from Category II and a minimum of 5 must be HIS designated.

Category II

- HIS-3040 Ancient Civilizations of the New World 3 credits
- HIS-3225 Latin America: Mexico to Chile; History, Politics, Cultures 3 credits
- HIS-3510 Chinese History & Culture 3 credits
- HIS-3520 Japanese History & Culture 3 credits
- HIS-4010 History of the Middle East 3 credits
- HUM-3110 Native American History & Culture 3 credits
- HUM-3120 The Abenaki & Their Neighbors 3 credits
- HUM-3150 People & Cultures of the Middle East & North Africa 3 credits
- HUM-3160 African Culture 3 credits

Category III

- HIS-3020 Greek & Roman History 3 credits
- HIS-3050 Community in America 3 credits (offered through the JSC External Degree Program)
- HIS-3060 Church & State in America 3 credits (offered through the JSC External Degree Program)
- HIS-3080 Colonial America: History & Life 3 credits
- HIS-3090 Modern German History 3 credits
- HIS-3141 History of the United States in the 20th Century I 3 credits
- HIS-3142 History of the United States in the 20th Century II 3 credits
- HIS-3160 Vermont's Coastal Regions 3 credits (offered through the JSC External Degree Program)
- HIS-3165 Vermont History 3 credits
- HIS-3270 Renaissance & Reformation 3 credits
- HIS-3311 Europe in the 19th Century 3 credits
- HIS-3312 Europe in the 20th Century 3 credits
- HIS-3350 Struggle for Democracy 3 credits (offered through the JSC External Degree Program)
- HIS-3352 English History Since 1714 3 credits
- HIS-3355 The European Enlightenment 3 credits
- HIS-3370 Nationalism & Rebellion in Irish History 3 credits (offered through the JSC External Degree Program)
- HIS-3420 French Revolution 3 credits
- HIS-3430 History of the Soviet Union 3 credits
- HIS-3450 Women in European History 3 credits
- INT-3210 The Holocaust: An Interdisciplinary Approach 3 credits
- POS-3060 Vermont Politics 3 credits
- POS-4010 American Foreign Policy 3 credits

Subtotal: 24 credits

Total: 42 credits

Secondary Teaching License in Social Studies

Students pursuing licensure endorsement to teach Social Studies in grades 7-12 must successfully complete either the B.A. in History or the B.A. in Political Science, as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Political Science (B.A.)

The B.A. in political science is designed to develop understanding of the theoretical and practical relationship between political culture and governmental structures at the four traditional levels of political organization—local, state, national and international. Students develop the ability to compare alternative systems and to understand the actual political process at various levels. Writing and research skills are also developed, especially in seminar and independent research courses. Graduates of the program are prepared for graduate and professional study and for positions of responsibility in public and civic organizations.

Learning Outcomes for Political Science Majors

Each graduate will:

1. Have an ability to think critically and to demonstrate that ability through reading comprehension, critical analysis and oral expression.
2. Understand the theoretical relationship between political structure and governmental structures at the local, state, national and international levels.
3. Demonstrate writing and research skills in political science, identification of cause and effect relationships, evaluation of various political systems and theories; as well as skill in oral communication in debate, discussion and listening.
4. Be capable of writing papers using analytic skills, research, factual information and personal analysis.
5. Use self-evaluation to enhance the goal of becoming a critical thinker.
6. Have developed a personal assessment and career plan supported by practical internship situations that enhance the student's ability to think critically, work with others and gain field expertise.

Political Science Requirements

Required Courses

- POS-1010 Introduction to Political Science 3 credits
- POS-1020 American Politics & Government 3 credits
- POS-2050 International Economics & Politics 3 credits
- POS-2110 State & Local Government 3 credits

- POS-3010 Survey of Western Political Thought 3 credits **OR**
- POS-3025 Research Design & Analysis 3 credits

- POS-4730 Senior Seminar in Political Science 3 credits

Electives

Take 2 of the following courses:

- POS-1030 Comparative Government 3 credits
- POS-1040 African-American History & Politics 3 credits
- POS-2010 Observation of the Legislative Process 3 credits
- POS-2040 International Relations 3 credits
- POS-2810 Internship in Political Science 1-12 credits *
- POS-2910 Independent Study in Political Science 1-12 credits

Take 5 of the following courses:

- POS-3010 Survey of Western Political Thought 3 credits
(If not taken as a required course)
- POS-3025 Research Design & Analysis 3 credits
(If not taken as a required course)
- POS-3030 Contemporary Political Theory: Race, Class & Gender 3 credits

- POS-3040 The Politics of Gender 3 credits
- POS-3050 Environmental Ethics & Politics 3 credits
- POS-3060 Vermont Politics 3 credits
- POS-3070 Terrorism, Religion & the Nation-State 3 credits
- POS-3130 Church & State Separation: The First Amendment to the U.S. Constitution 3 credits
- POS-3150 Campaigns & Elections 3 credits
- POS-3160 Modern Politics through Drama & Fiction 3 credits
- POS-3170 U.S. Constitutional Law 3 credits
- POS-3180 Politics in Film 3 credits
- POS-3210 Canadian Politics 3 credits
- POS-3220 Genocide: Inhumanity Across the Ages 3 credits
- POS-3230 Third World Politics 3 credits
- POS-3270 Revolutions, Transformed Economics & Social Change 3 credits
- POS-4010 American Foreign Policy 3 credits
- POS-4020 International Relations 3 credits
- POS-4810 Internship in Political Science 1-12 credits *
- POS-4910 Independent Study in Political Science 1-12 credits
- HIS-3165 Vermont History 3 credits
- HIS-3312 Europe in the 20th Century 3 credits
- HIS-3351 English History to 1714 3 credits
- HIS-4010 History of the Middle East 3 credits
- HIS-2410 Latin American History & Culture, 3 credits (CSC course)

Total: 39 credits

* Political science faculty strongly recommend a semester-long internship with such agencies or organizations as the Vermont General Assembly or Legislative Council, state and federal agencies, newspapers and wire services, U.S. Congress, international organizations, law offices, legal aid programs, interest groups, public affairs foundations, election campaigns, etc. Such experiences often lead directly to career opportunities in these fields. Internships enable students to meet many decision-makers and are particularly valuable when integrated with seminars in political science.

Secondary Teaching License in Social Studies

Students pursuing licensure endorsement to teach Social Studies in grades 7-12 must successfully complete either the B.A. in History or the B.A. in Political Science, as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Minor

French Minor

The minor in French consists of a minimum of 18 credits in French, at least six of which must be at the 3000-4000 level. Courses taken to satisfy the minor must not be required or be electives within a student's major course of study. The French minor may be gained while pursuing studies in Quebec through the New England-Quebec Program. Students may also satisfy requirements for the minor by taking FRE-4910 Independent Study in French or FRE-3010 Culture & Civilization through Correspondence & Conversation.

Global Studies Minor

The global studies minor is designed to address the demands brought on by the processes of globalization for students pursuing careers and/or graduate study in business, education, history, politics, public service and many other fields.

Required Courses

- HIS-1112 World History II 3 credits
- POS-1010 Introduction to Political Science 3 credits **OR**
- POS-1020 American Politics & Government 3 credits
- POS-1030 Comparative Government 3 credits **OR**
- POS-2040 International Relations 3 credits

Subtotal: 9 credits

Choose 1 non-western course from the following courses:

- HIS-3225 Latin America: Mexico to Chile; History, Politics, Cultures 3 credits
- HIS-3510 Chinese History & Culture 3 credits
- HIS-3520 Japanese History & Culture 3 credits
- HIS-4010 History of the Middle East 3 credits
- HUM-3125 Religions of the World 3 credits
- HUM-3150 People & Cultures of the Middle East & North Africa 3 credits
- HUM-3160 African Culture 3 credits
- POS-3230 Third World Politics 3 credits

Subtotal: 3 credits

Electives:

Select a minimum of 9 credits from the following courses:

- FRE-1111 French I 3 credits **AND**
- FRE-1111L French I Lab 1 credits
- FRE-1112 French II 3 credits **AND**
- FRE-1112L French II Lab 1 credits
- FRE-2011 French III 3 credits **AND**

- FRE-2011L French III Lab 1 credits
- FRE-2012 French IV 3 credits **AND**
- FRE-2012L French IV Lab 1 credits

- FRE-3010 Culture & Civilization through Correspondence & Conversation 3 credits
- HIS-3020 Greek & Roman History 3 credits
- HIS-3040 Ancient Civilizations of the New World 3 credits
- HIS-3090 Modern German History 3 credits
- HIS-3225 Latin America: Mexico to Chile; History, Politics, Cultures 3 credits
- HIS-3270 Renaissance & Reformation 3 credits
- HIS-3311 Europe in the 19th Century 3 credits
- HIS-3312 Europe in the 20th Century 3 credits
- HIS-3350 Struggle for Democracy 3 credits
- HIS-3352 English History Since 1714 3 credits
- HIS-3355 The European Enlightenment 3 credits
- HIS-3370 Nationalism & Rebellion in Irish History 3 credits
- HIS-3400 Modern French History 3 credits
- HIS-3420 French Revolution 3 credits
- HIS-3430 History of the Soviet Union 3 credits
- HIS-3450 Women in European History 3 credits
- HIS-3510 Chinese History & Culture 3 credits
- HIS-3520 Japanese History & Culture 3 credits
- HIS-4010 History of the Middle East 3 credits
- HUM-3125 Religions of the World 3 credits
- HUM-3150 People & Cultures of the Middle East & North Africa 3 credits
- HUM-3160 African Culture 3 credits
- POS-1030 Comparative Government 3 credits (if not taken as a required course above)
- POS-2040 International Relations 3 credits
- POS-2050 International Economics & Politics 3 credits
- POS-3010 Survey of Western Political Thought 3 credits
- POS-3030 Contemporary Political Theory: Race, Class & Gender 3 credits
- POS-3040 The Politics of Gender 3 credits
- POS-3050 Environmental Ethics & Politics 3 credits
- POS-3070 Terrorism, Religion & the Nation-State 3 credits
- POS-3180 Politics in Film 3 credits
- POS-3210 Canadian Politics 3 credits
- POS-3220 Genocide: Inhumanity Across the Ages 3 credits
- POS-3230 Third World Politics 3 credits
- POS-3270 Revolutions, Transformed Economics & Social Change 3 credits
- POS-4010 American Foreign Policy 3 credits
- POS-4020 International Relations 3 credits

- SPA-1011 Spanish I 3 credits **AND**
- SPA-1011L Spanish I 1 credits

- SPA-1012 Spanish II 3 credits **AND**
- SPA-1012L Spanish II 1 credits

- SPA-2011 Spanish III 3 credits **AND**
- SPA-2011L Spanish III 1 credits
- SPA-2012 Spanish IV 3 credits **AND**
- SPA-2012L Spanish IV 1 credits

Subtotal: 9 credits

Total: 21 credits

History Minor

The history minor is appropriate for students pursuing careers in teaching, public service, museum work, historic preservation, law and many other fields, as well as those planning graduate study in politics, history, English, anthropology and sociology.

Required Courses

- HIS-1111 World History I 3 credits
- HIS-1112 World History II 3 credits
- HIS-1211 American History I 3 credits
- HIS-1212 American History II 3 credits

Electives

- HIS- Upper-level European History 3 credits
- HIS- Upper-level American History 3 credits
- HIS- Upper-level history: Africa, Asia, Latin America or the Middle East 3 credits

Total: 21 credits

Political Science Minor

Required Courses

- POS-1010 Introduction to Political Science 3 credits
- POS-1020 American Politics & Government 3 credits
- POS-2050 International Economics & Politics 3 credits
- POS-2110 State & Local Government 3 credits
- POS-3010 Survey of Western Political Thought 3 credits **OR**
- POS-3040 The Politics of Gender 3 credits

Electives

- POS-3000/4000 (2 courses) 6 Credits

Total: 21 credits

Pre-Law Minor

Required Courses

- PHI-1040 Introduction to Ethics 3 credits
- POS-1020 American Politics & Government 3 credits **OR**
- POS-1010 Introduction to Political Science 3 credits
- POS-2050 International Economics & Politics 3 credits **OR**
- POS-3010 Survey of Western Political Thought 3 credits
- POS-2110 State & Local Government 3 credits
- POS-3170 U.S. Constitutional Law 3 credits

Electives

- HUM-3000/4000 (2 courses) 6 credits

Total: 21 credits

Spanish Minor

The minor in Spanish consists of a minimum of 18 credits in Spanish, at least six of which must be at the 3000-4000 level. Students can access those upper-level courses by participating in a semester abroad through JSC's affiliation with the National Student Exchange program. Courses may also be taken through JSC's affiliation with Castleton State College (VIT). Courses taken to satisfy the minor must not be required or be electives within a student's major course of study.

Interdepartmental Programs

Interdisciplinary Studies Committee

Kathleen Brinegar, *Assistant Professor, Education*

David Cavanagh, *External Degree Program*

Lisa Cline, *Associate Professor, Humanities*

Clyde Stats, *Fine and Performing Arts Faculty, Assistant Director of Academic Support Services*

Julie Theoret, *Professor, Mathematics*

Sharon Twigg, *Associate Professor, Writing & Literature*

EDP Academic Review Board

Amy Beattie, *Coordinator of Online Learning and Services*

James Black, *Professor of Business & Economics*

David Cavanagh, *External Degree Program*

Marianne DiMascio, *EDP Advisor*

Valerie Edwards, *Director of External Degree Program*

Lisa Kent, *Access Services Librarian*

Major

Interdisciplinary Studies (B.A.)

The Interdisciplinary Studies major offers students the opportunity and challenge to create their own individually designed interdisciplinary programs. It gives students the tools to explore and understand connections and patterns: within and among disciplines; between self and the world; among different cultures. It seeks to give students knowledge of how great thinkers in various fields have tried to understand experience and use their learning to address problems and engage fully with life.

Learning Outcomes for Interdisciplinary Studies

Majors

Students will be able to:	Evidence:
Connect their academic plan to their personal history and long-term goals.	Plan of Study narrative; reflection papers in capstone course.
Articulate a rationale for their three areas of study and justify the selection of courses in each of those areas.	Plan of Study narrative; plan of study.
Understand the nature and value of interdisciplinary study.	Capstone project; discussion and writing assignments in capstone course.
Demonstrate meaningful connections between their chosen areas of study.	Plan of Study narrative; capstone project; final reflection paper in capstone course.
Demonstrate depth of knowledge in the primary and secondary areas of study.	Completion of capstone course; capstone project; 21 upper-level credits in the major.
Experience and articulate meaningful connections between learning in the major and life outside the classroom.	Extended Classroom Experience (ECE); ECE reflection paper; career exploration assignment.

Requirements

Students must successfully complete a total of 42 credits, at least 21 of which must be upper-division, as follows:

- 18 credits in a primary area of study;
- 12 credits in a secondary, supporting area of study;
- 9 credits in a tertiary area of study; and
- 3-credit capstone course: INT-4610 Senior Seminar in Interdisciplinary Studies
- An extended classroom experience, which may be credit or non-credit bearing, must be at least 20 hours in length. It can be completed through an existing course, internship, student teaching or service-learning experience.

Additional Stipulations

- At least 12 of the 42 credits required within the Interdisciplinary Studies major must be taken in the semester(s) after the Plan of Study has been approved.
- Education majors seeking licensure who are using Interdisciplinary Studies as their second major will need to choose their primary and secondary areas of study in a fashion that meets state licensure requirements.
- A grade of C- or higher must be earned in all courses counted toward the 42 credits for the major.
- In general, courses such as Student Teaching in Education, which are specifically aimed at career preparation, are not appropriate for inclusion in the 42 credits for the Interdisciplinary Studies degree.

Becoming an Interdisciplinary Studies Major

A student interested in becoming an Interdisciplinary Studies major on campus will first contact the Advising & Career Center and be assigned an advisor on the Interdisciplinary Studies Committee (ISC). In the case of the External Degree Program (EDP), the student will be assigned an advisor in his or her community upon entering EDP. The student and advisor will initially explore together the student's interests and identify relationships between different disciplines or clusters of disciplines which the student would like to explore more deeply. With the advisor's assistance and support, the student will write a program proposal that describes in detail the relationships between two or more areas of study. Members of the ISC, who may recommend clarifications or changes, will review the written program proposal, together with the student's transcript and a completed Plan of Study. Once the program proposal has been approved, the student is officially an Interdisciplinary Studies major. The advisor and/or other members of the ISC or EDP staff will continue to work with the student during her/his progress toward a degree.

Teaching Endorsement in Dance (P7-12)

Johnson State College does not offer a major in dance; to graduate, a student must complete an approved major in another field. Students pursuing teaching endorsement in dance education must complete a bachelor's degree, additional teacher education core program requirements, unified arts education program coursework and unified arts education endorsement-specific coursework. Please refer to the Education Department section of this catalog for specific requirements.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Professional Studies (B.A.)

The B.A. in Professional Studies is available only to students in the External Degree Program. This major offers adult learners the option of designing a plan of study to pursue a special career or other interest not available through JSC's other majors. It also allows EDP students, who may have college credits from a number of institutions and life experience, to weave together the threads of their prior learning into a coherent degree program. Students are asked to declare and explore an area of special emphasis while meeting the EDP general education and other requirements for a bachelor's degree.

Requirements

- At least 60 credits required before entrance into EDP and the major.
- Completion of the EDP's general education program.
- During the student's first semester, development and submission of a degree plan, including a narrative that declares a focus of study and demonstrates integration of prior learning and proposed courses.
- Completion of at least 30 credits in a focus area of study, including INT 4950 , Senior Seminar in Professional Studies.
- Completion of at least 15 upper-level credits (3000- or 4000-level) within the 30-credit focus area.

Note: It is not possible to do a minor along with the major in professional studies unless the credits for the minor are in addition to the 120 credits required for a bachelor's degree.

Learning Outcomes for Professional Studies Majors

Students will be able to:

- Plan a coherent, individualized program of study with a clear focus and in keeping with their personal goals.
- Demonstrate bachelor's-level knowledge in one or more fields of interest.
- Demonstrate connections between theoretical learning and practical experience in relation to the field of interest.
- Demonstrate an ability to reflect upon and synthesize key aspects of the learning experience in the program.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Minor

Gender Studies Minor

The gender studies minor combines courses in various departments in order to consider the issue of gender from different perspectives. It is designed to engage men and women students in a wide-ranging level of inquiry that combines historical and contemporary analysis of issues and problems.

Required Courses

- POS-3040 The Politics of Gender 3 credits
- POS-3050 Environmental Ethics & Politics 3 credits

Electives

(Select 4 courses):

- ENG-2510 Women & Literature 3 credits
- HIS-2210 Women in U.S. History 3 credits
- HIS-3450 Women in European History 3 credits
- POS-3030 Contemporary Political Theory: Race, Class & Gender 3 credits
- SOC-2040 Race/Ethnicity, Class & Gender 3 credits
- SOC-3060 Sexuality & Intimacy 3 credits
- SOC-3170 Power, Politics & Inequality 3 credits

Total: 18 credits

Mathematics

Faculty/Staff

Julie Theoret, *Professor, Department Chair*

Christopher Aubuchon, *Associate Professor*

Gregory Petrics, *Assistant Professor*

Karen Jones, *Administrative Assistant*

The Department of Mathematics offers courses with the following designator: MAT (mathematics). See full Course Descriptions.

Major

Mathematics (B.S.)

The B.S. in mathematics provides students with an opportunity to study one of western civilization's oldest and richest disciplines. In addition to the intrinsic value of the study of mathematics as a liberal art, the mathematics degree provides the foundation for a variety of careers in business, scientific and related fields. Students desiring preparation for a high school teaching career may also earn secondary mathematics teaching licensure.

Learning Outcomes for Mathematics Majors

The mathematics program aims to produce graduates who are knowledgeable and skillful users and communicators of mathematics. The learning outcomes are broken into two categories: content knowledge outcomes and capstone outcomes. The content knowledge outcomes are assessed by the Core Assessment Exam, which students take after they have completed the required core courses in the major. The capstone outcomes are assessed when students present their senior projects.

Content Knowledge Outcomes

Upon completion of the core requirements, students will be able to:

Calculus I:

- apply the limit definition of the derivative and use it to calculate the instantaneous rate of change of a function.
- calculate the derivative of any algebraic or transcendental function.
- use the derivative to solve real-world problems.
- apply the Fundamental Theorem of Calculus.

Calculus II:

- apply integration techniques to a variety of algebraic and transcendental functions.
- use the definite integral (and limits of sums) to solve real-world problems.
- determine whether an infinite series converges and, when possible, find its sum.

Linear Algebra:

- use matrices to solve real-world problems
- use the RREF form of a matrix in a variety of ways (including solving systems of linear equations; testing for linear independence, spanning, and to determine whether a set of vectors forms a basis; finding eigenvectors)
- prove some basic properties of matrices, vectors and linear transformations

Probability & Statistics:

- apply the normal or binomial distribution to solve certain probability problems.
- calculate probabilities and apply them to determine the unusualness of events.
- create and use descriptive statistics to summarize, analyze and compare data sets.
- explain the importance of random/probability sampling.

Capstone Outcomes:

Students will:

- be able to explain main ideas of mathematics clearly, in writing and orally.
- develop the ability to read mathematics independently.
- deepen their own mathematical knowledge by applying previous mathematical learning to new mathematical thinking, concepts and ideas.

Mathematics Requirements

Required Core Courses

Students must pass a core assessment examination upon completion of the core requirements.

- MAT-1531 Calculus I 4 credits
- MAT-2020 Mathematical Reasoning 3 credits
- MAT-2030 Probability & Statistics 3 credits
- MAT-2532 Calculus II 4 credits
- MAT-3210 Linear Algebra 3 credits

Required Courses for the General Education Core

- PHY-1041 Physics I 4 credits
- INT-3150 Gödel, Escher, Bach: An Eternal Golden Braid 3 credits

Elective Courses

(at least 15 credits)

- MAT-2533 Calculus III 4 credits
- MAT-3240 Probability Theory with Statistics 3 credits *
- MAT-3310 Differential Equations 3 credits
- MAT-4130 Abstract Algebra 3 credits *
- MAT-4140 Geometry 3 credits *
- MAT-4710 Special Topics in Mathematics 3 credits

Capstone Requirement:

- MAT-4930 Senior Project in Mathematics 3 credits

Total: 42-43 credits

Students must earn a grade of C or better in each of the required core courses and in each of the elective courses used to satisfy their degree program requirements.

Note: *Students in the math major are required to take PHY-1041 Physics I and INT-3150 Gödel, Escher, Bach: An Eternal Golden Braid for the Foundational-Natural Resources and Aesthetic Perspectives portions of the GEC respectively. It is also recommended that students take a course in economics.*

**All three of these courses are required for Secondary Teaching Endorsement in Mathematics Education.*

Secondary Teaching License in Mathematics

Students pursuing licensure endorsement to teach mathematics in grades 7-12 must successfully complete either the B.S. in Mathematics as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Minor

Mathematics Minor

Students desiring a minor in mathematics must complete the following requirements:

Required Courses

- MAT-1531 Calculus I 4 credits
- MAT-2020 Mathematical Reasoning 3 credits
- MAT-2030 Probability & Statistics 3 credits
- MAT-2532 Calculus II 4 credits
- MAT-3210 Linear Algebra 3 credits

Elective

- One course: either MAT-2533 or any mathematics course at the 3000/4000 level.

Total: 20-21 credits

Students must earn a grade of C or better in all courses for the minor in mathematics.

Writing/Literature

Faculty/Staff

Daniel Towner, *Professor*

Tyrone Shaw, *Associate Professor*

Sharon Twigg, *Associate Professor, Department Chair*

Elizabeth Powell, *Assistant Professor*

Jensen Beach, *Assistant Professor*

Sandra Noyes, *Staff Assistant*

The Writing & Literature Department offers courses with the following designators: ENG (English). See complete Course Descriptions.

Major

Communication & Community Media: Photojournalism (B.A.)

Bachelor of Arts in Communication & Community Media

This interdisciplinary communications degree program consists of three concentrations - Print and Web Community Journalism, Photojournalism, and Public Relations - sharing a common core of eight courses. It is designed to prepare students for careers in media communications, journalism and photojournalism in both print and web-based media.

Learning Outcomes for Communication & Community Media Majors

1. Students will understand and apply best practices in community journalism, public relations and photojournalism.
2. Students will understand and apply ethical principles to their communications work.
3. Students will gain competency in a variety of media platforms applicable to both print and web.
4. Students will achieve proficiency in journalistic processes, including interviewing techniques, research, story structure, AP style and writing concisely, clearly and accurately,
5. Students will understand the strengths and limitations of social media and apply that knowledge professionally.
6. Students will learn to work under the pressure of constant deadlines.
7. Students will understand current mass media theories as they apply to their concentration.

Communication & Community Media (CCM) Requirements

Required Core Courses

- ENG-2051 Introduction to Newswriting 3 credits
- ENG-2052 Newspaper Publishing: Writing, Editing, Layout & Design 3 credits
- ENG-3020 Feature Writing 3 credits
- ENG-4010 Issues in Journalism 3 credits
- SOC-3130 Mass Media & Society 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- CIS-2220 Website Design 3 credits
- ART-4025 Advanced Digital Media: Documentary & Social Media 3 credits

Subtotal: 24 credits

Note: Students must complete the core courses above and one or more of the three concentrations.

Photojournalism Concentration

This concentration prepares students for careers in photojournalism. Beginning with a background in basic journalistic practices and digital media, students then apply those skills to the particular demands of compelling visual documentation and narrative. Students learn essential photographic skills from the basics of composition, lighting and depth of field to advanced applications in both traditional and digital darkrooms. The concentration also offers a broad historical perspective on photojournalism as well as appreciation for the ethical concerns of mass media in general and this visual medium in particular.

Required Courses in addition to core CCM courses

- ENG-1260 Introduction to Photojournalism 3 credits
- ENG-3022 Advanced Newspaper Publishing: Writing, Editing, Layout & Design 3 credits
- ART-2301 Photography I 3 credits
- ART-2430 Introduction to Video Production 3 credits
- ART-4020 Advanced Digital Media 3 credits
- ART-4040 Advanced Photography 3 credits
- ART-4140 Advanced Photojournalism 3 credits
- ART-4810 Internship in Art 1-12 credits (3 credits)

Total: 48 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Communication & Community Media: Print & Web Community Journalism (B.A.)

Bachelor of Arts in Communication & Community Media

This interdisciplinary communications degree program consists of three concentrations - Print and Web Community Journalism, Photojournalism, and Public Relations - sharing a common core of eight courses. It is designed to prepare students for careers in media communications, journalism and photojournalism in both print and web-based media.

Learning Outcomes for Communication & Community Media Majors

1. Students will understand and apply best practices in community journalism, public relations and photojournalism.
2. Students will understand and apply ethical principles to their communications work.
3. Students will gain competency in a variety of media platforms applicable to both print and web.
4. Students will achieve proficiency in journalistic processes, including interviewing techniques, research, story structure, AP style and writing concisely, clearly and accurately,
5. Students will understand the strengths and limitations of social media and apply that knowledge professionally.
6. Students will learn to work under the pressure of constant deadlines.
7. Students will understand current mass media theories as they apply to their concentration.

Communication & Community Media (CCM) Requirements

Required Core Courses

- ENG-2051 Introduction to Newswriting 3 credits
- ENG-2052 Newspaper Publishing: Writing, Editing, Layout & Design 3 credits
- ENG-3020 Feature Writing 3 credits
- ENG-4010 Issues in Journalism 3 credits
- SOC-3130 Mass Media & Society 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- CIS-2220 Website Design 3 credits
- ART-4025 Advanced Digital Media: Documentary & Social Media 3 credits

Subtotal: 24 credits

Note: Students must complete the core courses above and one or more of the three concentrations.

Print & Web Community Journalism Concentration

This concentration prepares students for the realities of a career in journalism and equips them with the necessary skills to function successfully in a professional environment in both print and web media organizations. Course requirements center journalism in the liberal arts and enable students to employ the best journalistic practices to be able to write in a variety of styles -- including hard news, reportage, editorials, features, profiles and reviews. The concentration enables students to understand and apply basic ethical principles to their work in journalism and to properly understand the role, rights and responsibilities of a free press in a democratic society.

Required Courses in addition to core CCM courses

- ENG-3022 Advanced Newspaper Publishing: Writing, Editing, Layout & Design 3 credits (6 credits) (take at least two times)
- ENG-4160 Investigative Journalism 3 credits
- ENG-4130 The Form & Theory of Nonfiction 3 credits
- ENG-2XXX Take two 2000-level literature survey courses 6 credits

- HIS-1212 American History II 3 credits **OR**
- POS-1020 American Politics & Government 3 credits

- ENG-4810 Internship 3 credits

Total: 48 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Communication & Community Media: Public Relations (B.A.)

Bachelor of Arts in Communication & Community Media

This interdisciplinary communications degree program consists of three concentrations - Print and Web Community Journalism, Photojournalism, and Public Relations - sharing a common core of eight courses. It is designed to prepare students for careers in media communications, journalism and photojournalism in both print and web-based media.

Learning Outcomes for Communication & Community Media Majors

1. Students will understand and apply best practices in community journalism, public relations and photojournalism.
2. Students will understand and apply ethical principles to their communications work.
3. Students will gain competency in a variety of media platforms applicable to both print and web.

4. Students will achieve proficiency in journalistic processes, including interviewing techniques, research, story structure, AP style and writing concisely, clearly and accurately,
5. Students will understand the strengths and limitations of social media and apply that knowledge professionally.
6. Students will learn to work under the pressure of constant deadlines.
7. Students will understand current mass media theories as they apply to their concentration.

Communication & Community Media (CCM) Requirements

Required Core Courses

- ENG-2051 Introduction to Newswriting 3 credits
- ENG-2052 Newspaper Publishing: Writing, Editing, Layout & Design 3 credits
- ENG-3020 Feature Writing 3 credits
- ENG-4010 Issues in Journalism 3 credits
- SOC-3130 Mass Media & Society 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- CIS-2220 Website Design 3 credits
- ART-4025 Advanced Digital Media: Documentary & Social Media 3 credits

Subtotal: 24 credits

Note: Students must complete the core courses above and one or more of the three concentrations.

Public Relations Concentration

This concentration provides students with a comprehensive understanding of public relations practices in contemporary society as they apply to corporate, business, government, political and nonprofit organizations. Students learn to shape and communicate organizational messages through a variety of media strategies and platforms. Students also learn principles of marketing, management, mass communications, advertising and macroeconomics as well as an understanding of best ethical practices.

Required Courses in addition to core CCM courses

- BUS-1340 Social Entrepreneurship 3 credits
- ECO-2020 Macroeconomics 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-3070 Public Relations 3 credits
- BUS-3210 Advertising 3 credits
- BUS-3370 Business Organizational Communications 3 credits
- BUS-4810 Internship in Business Management 1-12 credits (6 credits) (minimum of 240 hours)

Total: 48 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Creative Writing (B.F.A.)

In this program, aspiring writers learn the craft of fiction, poetry and prose nonfiction in literature courses and in writing workshops. Small classes and individualized instruction are key features of this student-centered program. A student and professional reading series and internships with the department's nationally recognized literary magazine, *Green Mountains Review*, complement the academic course work.

Learning Outcomes for Creative Writing Majors

The B.F.A. in creative writing will:

1. Enable students to produce their own poetry, fiction and creative nonfiction and to become proficient readers and interpreters of imaginative literature;
2. Enable students to identify the major genres of literature, to recognize the features of each genre and to explore and evaluate different approaches to literary criticism and interpretation;
3. Develop students' abilities to analyze and explicate literary texts so that they can identify themes and ideas as well as recognize how formal literary devices affect meaning; and
4. Develop students' skills in editing and revising so that they will be prepared for graduate school in creative writing and/or for careers in publishing.

Required Courses

- ENG-1310 Introduction to Literature 3 credits
- ENG-2031 Editing & Publishing: The Literary Magazine 3 credits
- ENG-2101 Creative Writing 3 credits
- ENG-3032 Advanced Editing & Publishing: The Literary Magazine 3 credits
- ENG-3120 Poetry Workshop 3 credits
- ENG-3130 Fiction Workshop 3 credits
- ENG-3140 The Creative Essay 3 credits
- ENG-4920 Senior Thesis 3 credits

Literature Survey Courses (choose 3)

- ENG-2171 World Literature I 3 credits
- ENG-2172 World Literature II 3 credits
- ENG-2281 Survey of English Literature I 3 credits
- ENG-2282 Survey of English Literature II 3 credits
- ENG-2283 Survey of English Literature III 3 credits
- ENG-2321 Survey of American Literature I 3 credits
- ENG-2322 Survey of American Literature II 3 credits
- ENG-2510 Women & Literature 3 credits

Take 2 of the following courses:

- ENG-4110 The Form & Theory of Fiction 3 credits
- ENG-4120 The Form & Theory of Poetry 3 credits
- ENG-4130 The Form & Theory of Nonfiction 3 credits
- ENG-4150 Literary Criticism & Theory 3 credits

Total: 48 credits

Secondary Teaching License in English

Students pursuing licensure endorsement to teach English in grades 7-12 must successfully complete either the B.A. in English or the B.F.A. in Creative Writing as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

English (B.A.)

Students in this program explore literature and language from critical, aesthetic, historical, linguistic and national perspectives. Opportunities to study creative writing and journalism are also components of the program.

Learning Outcomes for English Majors

The B.A. in English will:

1. Enable students to identify the major genres of literature, to recognize the features of each genre and to explore and evaluate different approaches to literary criticism and interpretation.
2. Introduce students to English, American and world literary traditions so that they will learn how literature both reflects and shapes intellectual, aesthetic and cultural life.
3. Develop students' abilities to analyze and explicate literary texts so that they can identify themes and ideas and learn how formal literary devices affect meaning.
4. Prepare students for graduate study, for teaching secondary school English and for careers in the private sector or in government that require critical thinking and reading skills as well as skills in research and discourse analysis.

Required Courses

- ENG-1310 Introduction to Literature 3 credits
- ENG-3565 Shakespeare 3 credits
- ENG-4150 Literary Criticism & Theory 3 credits
- ENG-4510 Literary Research Tutorial 3 credits

Take 3 of the following survey courses:

- ENG-2171 World Literature I 3 credits
- ENG-2172 World Literature II 3 credits
- ENG-2281 Survey of English Literature I 3 credits
- ENG-2282 Survey of English Literature II 3 credits
- ENG-2283 Survey of English Literature III 3 credits
- ENG-2321 Survey of American Literature I 3 credits
- ENG-2322 Survey of American Literature II 3 credits
- ENG-2510 Women & Literature 3 credits

Take 2 of the following writing courses:

- ENG-2051 Introduction to Newswriting 3 credits
- ENG-2101 Creative Writing 3 credits
- ENG-2052 Newspaper Publishing: Writing, Editing, Layout & Design 3 credits
- ENG-3020 Feature Writing 3 credits
- ENG-3140 The Creative Essay 3 credits

Take 4 of the following literature and language courses:

- ENG-3270 Myth & Myth Making 3 credits
- ENG-3320 The English Novel 3 credits
- ENG-3345 Contemporary Canadian Literature 3 credits
- ENG-3380 British Romantic Literature 3 credits
- ENG-3390 Literature of the Grotesque 3 credits
- ENG-3395 Satire in Literature 3 credits
- ENG-3405 Literary Journalism 3 credits
- ENG-3435 Practical Grammar 3 credits
- ENG-3480 Modern Literature 3 credits
- ENG-3510 Contemporary Literature 3 credits
- ENG-3520 American Poetry 3 credits
- ENG-3525 Victorian Literature 3 credits
- ENG-3530 The American Novel 3 credits
- ENG-3580 African American Literature 3 credits
- ENG-3680 Linguistics & Language History 3 credits
- ENG-4110 The Form & Theory of Fiction 3 credits
- ENG-4120 The Form & Theory of Poetry 3 credits
- ENG-4130 The Form & Theory of Nonfiction 3 credits
- ENG-4720 Seminar in Literature 3 credits

Optional:

- ENG-4920 Senior Thesis 3 credits

Total: 39 credits (42 with thesis)

Secondary Teaching License in English

Students pursuing licensure endorsement to teach English in grades 7-12 must successfully complete either the B.A. in English or the B.F.A. in Creative Writing as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Minor

Creative Writing Minor

Required Courses

- ENG-2101 Creative Writing 3 credits

Writing Workshops (choose 2)

- ENG-3120 Poetry Workshop 3 credits
- ENG-3130 Fiction Workshop 3 credits
- ENG-3140 The Creative Essay 3 credits

Form & Theory Course (choose 1)

- ENG-4110 The Form & Theory of Fiction 3 credits
- ENG-4120 The Form & Theory of Poetry 3 credits
- ENG-4130 The Form & Theory of Nonfiction 3 credits

Literature Survey Courses (choose 3)

- ENG-2171 World Literature I 3 credits
- ENG-2172 World Literature II 3 credits
- ENG-2281 Survey of English Literature I 3 credits
- ENG-2282 Survey of English Literature II 3 credits
- ENG-2283 Survey of English Literature III 3 credits
- ENG-2321 Survey of American Literature I 3 credits
- ENG-2322 Survey of American Literature II 3 credits
- ENG-2510 Women & Literature 3 credits

Upper-level Literature Course (choose 1)

- ENG-3320 The English Novel 3 credits
- ENG-3345 Contemporary Canadian Literature 3 credits
- ENG-3380 British Romantic Literature 3 credits

- ENG-3390 Literature of the Grotesque 3 credits
- ENG-3395 Satire in Literature 3 credits
- ENG-3480 Modern Literature 3 credits
- ENG-3510 Contemporary Literature 3 credits
- ENG-3525 Victorian Literature 3 credits
- ENG-3530 The American Novel 3 credits
- ENG-3565 Shakespeare 3 credits
- ENG-3580 African American Literature 3 credits
- ENG-4720 Seminar in Literature 3 credits

Total: 24 credits

Literature Minor

Required Courses

Four introductory surveys selected from the following: (12 credits)

- ENG-2171 World Literature I 3 credits
- ENG-2172 World Literature II 3 credits
- ENG-2281 Survey of English Literature I 3 credits
- ENG-2282 Survey of English Literature II 3 credits
- ENG-2321 Survey of American Literature I 3 credits
- ENG-2322 Survey of American Literature II 3 credits

Three specialty courses in particular genres, periods, themes or authors

- ENG-3---/4--- Upper-level electives 9 credits

Total: 21 credits

Academic Policies & Regulations

By enrolling for courses, students obligate themselves to abide by the policies set forth in this catalog and in other College publications.

Registration

Students pursuing a bachelor's or associate's degree from Johnson State College must be formally accepted through the Admissions Office before they may be registered for courses. Continuing undergraduates are expected to pre-register for their courses in November for the following spring semester and in April for the following summer and fall semesters. Students are notified of exact dates and instructions via email one to two weeks prior to the registration period. EDP students receive registration materials well before the start of each semester. EDP students confer with their advisors, who must approve course selections and who can register the students for classes. When registering for

courses at institutions outside of the Vermont State Colleges, EDP students submit a tuition transfer form available from the EDP office. A late fee may be assessed for registrations after the published deadline.

Class attendance does not in itself signify registration. Students must properly register for each of their courses in order to receive academic credit for work completed.

All students must meet state immunization requirements and must be cleared by Student Financial Services (see Payment Procedures section for details) in order to register for classes.

Dual-Enrollment Consortium Agreement!

Students matriculated at Johnson State College (their home institution where they have been officially accepted) and enrolled in JSC courses may simultaneously enroll in courses at two or more VSC institutions. With the exception of the summer term, students follow the home institution's procedures for course selection, course add/drop/withdrawals, advising, financial aid and billing. This agreement does not supersede existing External Degree Program arrangements; these arrangements remain unchanged by this agreement. For the full Vermont State College Consortium Enrollment Agreement, see "Policies and Procedures" and then "Data Security and Operational Policies" on the VSC website, www.vsc.edu.

Class Membership

Students are classified for academic class membership and administrative purposes on the basis of semester credits earned according to the following schedule:

Number of Credits Earned	Academic Class
0-29.9	Freshman
30-59.9	Sophomore
60-89.9	Junior
90 or more	Senior

Auditing Courses

No credit or grades are assigned for audited courses. A per-credit tuition fee of one-half of in-state or out-of-state rates, whichever applies, is charged. Courses that are audited do not count toward a student's credit load and are not eligible for financial aid. Students wishing to audit a course should follow normal registration procedures, indicating AU as their grade option at the time of registering. The choice to audit a course must be made prior to the end of the add/drop period, and it does not apply to programs/courses with already reduced tuition rates (i.e., Extension courses).

Basic Skills

Recognizing that basic writing and mathematic skills are essential to successful completion of college-level work, and in accordance with the Vermont State Colleges' Basic Academic Skills policy, Johnson State College assesses the skill level of all new students in these two areas. On the basis of this assessment, students who do not possess college-level skills in either or both of these areas are directed into courses designed to address their skill deficiencies. These courses should be taken during the student's first year at Johnson State College.

Please note that basic skills courses whose course number begins with a "0" (i.e., MAT-0410) do NOT count toward total credits required for graduation, although they do count in determining full-time status and semester grade point average.

Class Attendance

Students who register for a course prior to the first week of the semester or during the first day of the semester are expected to attend at least one of the first two class sessions. A faculty member may fill absent places with students wishing to enter the course and refuse entry to absent students when they appear. Faculty members may also refuse to admit a student to the class after the beginning of the semester, if they believe the student cannot complete missed work. In this case, the registered student is responsible for dropping the course from his/her schedule.

For EDP weekend courses, please note that attendance is MANDATORY at all Saturday and Sunday classes. Students should not register for these weekend courses if they know before the semester begins that they cannot attend all classes.

Course Add/Drop/Withdrawal

Students approved for online registration may add courses online until the start of the semester and drop courses online until the end of the second week of the semester, except for the summer semester, in which case students should refer to the policies and procedures specific to that program. All students may add or drop a course until the end of the second week of the semester by completing a Registration Adjustment Form and submitting it to the Registrar's Office. Second-half semester courses may be added or dropped until the end of the second week of the second half of the semester. If a course is dropped, it will be removed from the student's academic record and may result in an adjustment to a student's bill and financial aid. Students are encouraged to contact the Student Financial Services Office before dropping a course. After the second week of the semester and until the end of the ninth week of the semester, a student may withdraw from a course by completing a Registration Adjustment Form and submitting it to the Registrar's Office. If a student withdraws from a course, the course will appear on the transcript with a "W" grade and will not affect a student's grade point average. In most cases, a withdrawal from a course does not affect a student's bill or financial aid award. Students withdrawing or dropping all courses will be considered as departing from the college and must complete the Student Exit Notification and Leave of Absence Form. Please see Johnson State College's Refund Policy within this catalog.

Students registered through JSC for courses at other non-VSC institutions must drop or withdraw from courses at both colleges. Students will be charged for any tuition and fees that the other institution charges JSC.

Formally Declaring a Major

Campus-Based Students

Students who did not declare a major at the point of admission to the college must do so after earning 45 credit hours in a bachelor's degree program, or 12 credit hours in an associate's degree program, by submitting a Change of Major/Academic Advisor Form to the Registrar's Office, if they have not already done so.

Transfer Students: Students transferring in 45 credit hours or more for a bachelor's degree, or 12 credit hours for an associate's degree program, must declare a major within the first semester of their program by submitting a Change of Major/Academic Advisor Form to the Registrar's Office.

A student may declare any major officially in existence at the time the student declares a major. The Program Evaluation available on Web Services outlines all graduation requirements, including the requirements in the student's major, and monitors the student's progress toward completion of these requirements.

EDP Students

EDP students may choose from the following majors: business, childhood education (with both elementary education and special education endorsement, also referred to as inclusive elementary education), interdisciplinary studies, professional studies, psychology, and wellness and alternative medicine. Other JSC programs, including elementary and secondary teaching endorsement, are available if students can take courses on the JSC campus. For details on degree requirements, see the sections in this catalog on particular academic departments.

Students majoring in professional studies or in interdisciplinary studies must prepare an individualized degree plan with the help of advisors during their first semester. Students in these majors may not graduate until their degree plans have received approval by the EDP Academic Review Board. If a student has not submitted a degree plan by the last review meeting of the second semester in the program, the program's director may recommend administrative dismissal for one semester.

Discontinued Majors

The following provisions apply with regard to discontinued majors:

- Students who have previously formally declared a major may not at a later time switch into a major designated as discontinued.
- Students failing to make a formal declaration of a major by the end of their sophomore year, as is required, may not at a later time declare a discontinued major.
- Former students who are not on an approved Leave of Absence and have returned may not pursue a discontinued major.

Grading

Johnson State College employs letter grades as indicated below:

Grade	Explanation	Grade Points
A+	High competence	4.00
A	High competence	4.00
A-	High competence	3.70
B+	Good competence	3.30
B	Good competence	3.00
B-	Good competence	2.70
C+	Moderate competence	2.30
C	Moderate competence	3.00

C-	Moderate competence	1.70
D+	Minimum acceptable competence	1.30
D	Minimum acceptable competence	1.00
D-	Minimum acceptable competence	0.70
F	Failing	0.00
I	Incomplete (See Incompletes below)	
P or NP	Pass/No Pass	
NG	No grade indicates that no grade has yet been submitted. The grade will be recorded upon course completion.	
TR	Transfer credit	
CR	Credit granted (non-course work)	
W	Withdrawn*	
AU	Audit	

**Withdrawals are recorded by the Registrar's Office only after receipt of an authorized course withdrawal.*

In general, faculty grades are due at the Registrar's Office 48 hours after each course's final examination.

Pass/No Pass Option

Students may elect to be graded on a Pass/No Pass basis. The Pass/No Pass option is designed to encourage students to take courses that they otherwise would not take for fear of receiving low grades. For performance of D- work or better, a grade of P (Pass) is recorded on the student's record. Credit is received for P grades, but the grades do not affect the student's grade point average. Failing work is recorded as NP (No Pass). NP grades do not earn credit nor does the grade affect the student's grade point average. Students select this option by indicating P/NP as their grade option when they register.

Courses taken with a grade of P do not count toward requirements of the General Education Core Curriculum, EDP General Education requirements, or in general, the requirements of a student's major or minor. In addition, students may NOT take Basic Skills courses as Pass/No Pass.

Incompletes

The grade of Incomplete (I) may be given to work of satisfactory quality when the amount of required work has not been completed because of illness or other reasons beyond the control of the student. A grade of I is not to be used instead of the grade of F in situations involving a student's lack of ability or negligence. Grades of I will automatically revert to an F if a final grade, or alternate default grade, is not submitted to the Registrar's Office prior to the Incomplete deadline submitted by the instructor. In general, grades of Incomplete are to be completed by the end of the seventh week of the semester immediately following the semester in which the Incomplete grade was given. Courses carried through with an I into the following semester do not count toward the student's credit load for tuition billing purposes or for additional credit toward graduation.

Not Graded Work

The grade of NG may be given for a course when an instructor has not yet assigned grades for the course. This may happen when a course is still in progress at the semester deadline for grade submission. Course work carried into a second semester with a grade of NG does not count toward a student's credit load for tuition billing purposes or for additional credit toward graduation in the second semester.

Repeat Course Option

Students may repeat any course* that they have previously taken to attempt to earn a higher grade. When a course has been repeated within the Vermont State College system (VSC), the initial grade remains on the transcript but is taken out of the student's cumulative GPA. The most recent grade will be the only one computed in the student's cumulative average. Credit in the course may be earned only once. If the credit value of the course has changed, the repeated course is worth the new credit value.

When repeating a course at another institution outside of the VSC, the initial grade remains on the transcript but is taken out of the student's cumulative GPA. The grade from the repeated course being transferred to JSC will show as a transfer but will not be counted in the student's cumulative GPA.

Students may choose to use the Pass/No Pass option when registering for a repeat course, except for courses in their major or minor, in the General Education Program, or for basic skills courses (see Pass/No Pass option). If a grade of NP is earned, however, the repeat will not count. If a course was originally taken under a prior grading system, the effect on the student's average will be determined by using the new system.

*Some courses as indicated in the Course Descriptions section of the catalog may be taken multiple times for credit.

Auditing a Course

No credit or grades are assigned for auditing courses. For additional information, refer to the previous section on auditing courses.

Credit Granted (CR) for Non-Course Work

Students who are granted credit on the basis of CLEP examinations, military credit, lifetime experience portfolios, AP courses or other similar circumstances (as determined by Johnson State College) will receive a CR in the grade field. CR distinguishes the credit from TR, which is used for credits that are transferred in from another college or university.

Graduation

Application for Degree

The responsibility for your education ultimately rests in your own hands. Likewise, the timely completion of the paperwork associated with the award of your degree is your responsibility as well. Failure to take the required steps for application for degree may delay your graduation, even if all other graduation requirements have been completed. Students should access their program evaluation (via Web Services on the Portal) regularly to see where they stand in relation to degree completion.

Only students who are currently matriculated may graduate. Students absent from the College and not on a Leave of Absence who are seeking to complete a degree with Johnson courses must apply for readmission.

A student who anticipates completion of his/her degree requirements should file a Graduation Application through Web Services. After receiving the Graduation Application, the Registrar's Office will carry out an official degree audit. This may allow time for the student to pick up additional courses or complete outstanding paperwork during his/her last semester if necessary. In completing the degree audit, the Registrar's Office will identify where the student stands in relation to completion of degree requirements. The results of the degree audit will be given to the student and to his/her advisor. Note: A Graduation Application/Application for Degree fee will be charged to the student's account upon submission of the Graduation Application.

Conferring of Degrees

Degrees are conferred once each year in a Commencement ceremony at the end of the spring semester. Diplomas are dated August, December or May for students completing studies in summer, fall or spring semesters respectively. Students will receive their diplomas in the mail after completion of all degree requirements is verified by the Registrar's Office.

Participation in Commencement

Only students who have completed all degree requirements will be allowed to participate in the Commencement ceremony. The College recognizes that there may be occasions when special circumstances arise. Under such unusual circumstances, students may petition the Academic Dean or his/her designee to participate in Commencement. Students must, however, be within 8 course credits or a single experience (such as an internship or a Graduation Standard) of completing all graduation requirements. No other exceptions will be considered. The decision of the Academic Dean or his/her designee is final and may not be appealed to the President.

Students participating in the Commencement ceremony will be required to wear a cap and gown, which can be ordered through the College Bookstore.

Graduating with Distinction

Effective for the graduating class of spring 2006, of the total credits required for graduation, at least 30 credits for a two-year degree and 60 credits for a four-year degree must be earned within the Vermont State Colleges **by the end of the previous fall semester**. (Credits earned before 2002 are not used in this calculation unless earned from Johnson State College.) Graduating students who have earned a cumulative grade point average of 3.90 or better *through the fall semester of their graduation year* will be awarded their degree "summa cum laude." Those who earn a 3.70 average will be awarded degrees "magna cum laude." Those who earn a 3.50 average will be awarded degrees "cum laude." *(If the above standards are obtained by the end of the spring semester of the graduating year, the appropriate distinction is recorded on the diploma and transcript but is not acknowledged at Commencement.)*

Graduation honors for certificate programs require final, cumulative GPA as follows: honors, 3.00-3.49; high honors, 3.50 or above.

Academic Honesty

Students are expected to conform to the highest standards of academic honesty in all of their academic work at Johnson State College. Academic dishonesty in any form is prohibited and unacceptable. Acts of dishonesty for which a student may be disciplined include, but are not limited to, receiving or providing unauthorized assistance on an examination

and plagiarizing the work of others in writing assignments. The *American Heritage Dictionary* defines plagiarism in the following way: "To steal or use (the ideas or writings of another) as one's own." Students are responsible for knowing what specific acts constitute plagiarism; if students are uncertain as to whether a particular act constitutes plagiarism, they should consult with their instructors before turning in assigned work.

Any faculty member who suspects that a student has committed an act of academic dishonesty will bring this suspicion to the attention of the student and provide the student with an opportunity to respond. Should the faculty member subsequently determine that the student has committed an act of academic dishonesty, he/she will assign a penalty for the offense, which may be a failing grade for the specific work submitted or a failing grade for the course. The faculty member will notify the student in writing of his/her decision, as well as the penalty associated with the act of academic dishonesty, and submit a copy of that letter to the Academic Dean's Office. The student may appeal the penalty in writing to the Academic Status Committee (for campus-based students) or the Academic Review Board (for EDP students). Upon receiving any such appeal, the Academic Status Committee/EDP Academic Review Board will consider evidence relative to the charge and determination, and will affirm, reverse or modify the finding and/or penalty of the faculty member. Decisions of the Academic Status Committee/EDP Academic Review Board may be appealed, in writing, to the Academic Dean or his/her designee. The decision of the Academic Dean or his/her designee is final and may not be appealed to the President of the College. Records of all incidents of academic dishonesty will be maintained in the Academic Dean's Office. Repeated incidents of academic dishonesty will subject a student to dismissal from the College.

Academic Standing

Good Academic Standing

A student who has 30 or more earned or GPA credits, whichever is higher, and whose cumulative grade point average is 2.00 or above (1.75 for students with fewer than 30 earned or GPA credits, whichever is higher) is considered to be in good academic standing. The cumulative and semester averages are calculated by including only the graded credits (A, B, C, D, F) earned during the current and past semesters. These averages do not include courses bearing other grade designators (*i.e.*, grades of Incomplete).

Incomplete Grades in Relation to GPA/Good Standing

Calculation of a semester or cumulative grade point average does not include any Incomplete grade that a student has earned during the semester. Students who receive an Incomplete grade in one or more courses during a semester are held academically liable for the completion of the course. *Students who have an Incomplete grade for a semester will not be eligible for the Dean's or President's Lists until a final grade has been submitted for that Incomplete.*

Academic Warning

A student whose cumulative average is in good standing or above but whose semester average is below good standing (see above) will receive a letter of warning from the College. There are no punitive aspects to this warning status.

Academic Probation

Academic probation serves as an official warning from the College that a student's performance has been substandard. A student whose cumulative GPA falls below good standing (see above) shall be placed on academic probation. Students remain on academic probation until they raise their cumulative grade point average to good standing or until

they fall below the dismissal standard (see "Academic Dismissal.") Students on academic probation who have less than 30 earned or GPA credits, whichever is higher, must work with the academic probation counselor to create a plan for academic success. When a student voluntarily withdraws from the College while on probation status or is academically dismissed and later readmitted, he/she will return on probation.

Academic Dismissal

Students will be academically dismissed under the following conditions:

- Any new, first-year student with no previously earned credits who fails to achieve a grade point average of at least 0.70 in the first semester will be academically dismissed.
- Students on academic probation will be academically dismissed if they fail to achieve a semester grade point average of 2.00 having 30 or more earned or GPA credits, whichever is higher (1.75 having fewer than 30 earned or GPA credits, whichever is higher), during the semester on probation.

Students academically dismissed may reapply for admission generally after two regular semesters of absence. Students must follow the regular procedure for application to the College for re-admission and will remain on probation upon their return.

Appeal Process for Academic Dismissal

A student who has been academically dismissed may appeal his/her academic status by writing a letter to the Academic Status Committee (for campus-based students) via the Registrar's Office or to the EDP Academic Review Board (for EDP students). This letter of appeal should include any mitigating or extenuating circumstances that may have contributed to the poor academic performance. Decisions of the Academic Status Committee/EDP Academic Review Board may be appealed to the Academic Dean or his/her designee, then to the President of the College.

Students who successfully appeal academic dismissal may be placed on stipulated probation and may be required to sign a contract to abide by conditions set forth by the Academic Status Committee or the Academic Dean. Failure to comply with any portion of the contract/stipulations may result in immediate dismissal from Johnson State College.

Academic Progress Alerts

Faculty teaching 1000- and 2000-level courses complete online Academic Progress Alerts during the fifth week of the semester on all freshmen in those courses. The purpose of the alerts is to let students know early on how they are doing in their classes so that they can take corrective action if necessary. Using the Academic Progress Alerts, faculty give both positive and negative feedback relative to class attendance and participation, homework assignments, tests, etc.

Academic Forgiveness

Johnson State College recognizes that some academically able students for various reasons have poor previous academic records. A student who has been out of college for at least two academic years may appeal to the Academic Dean or his/her designee at the end of the first semester of subsequent attendance in good standing (generally a 2.00, see Good Academic Standing policy within this catalog) at JSC to have a previous semester set aside. The decision of the Academic Dean or his/her designee, will be final and may not be appealed to the President of the College.

Setting aside a previous semester is done by notation on the permanent JSC transcript, not by removing any previous course or grade. Grades of C and above, and the credits derived from those grades, will remain. Grade history will be

removed from cumulative totals only, and grades cannot be ameliorated if they have already been included in calculations for awarding a degree.

Academic Honors (President's/Dean's List)

Matriculated (degree-seeking) students who complete 12 or more Vermont State College graded credits in a single semester and who have no Incomplete, NP, F or blank grades are eligible for the President's and Dean's List under the following standards:

- Students who achieve a 4.00 semester average will be placed on the President's List.
- Students who achieve between a 3.50 and 3.99 semester average will be placed on the Dean's List.

Honors Convocation

Every spring, the College hosts Honors Convocation, an event at which the College and departments award prizes and scholarships to students who have distinguished themselves in the classroom, in the community and on the playing field.

Transfer of Credit

Transfer within the Vermont State Colleges System

College-level credits earned with a grade of C- or better at any VSC degree-granting institution *prior to summer 2002* are fully transferable to JSC. These transfer credits do not count in a student's GPA. Credits earned at any VSC degree-granting institution *during and after summer 2002* are not considered transfer credit but rather institutional credit, and, therefore, grades earned are counted in a student's GPA. Each credit taken in fulfillment of a GEC requirement at another VSC institution counts toward fulfillment of GEC requirements at JSC in appropriate categories.

If you leave one VSC institution while on academic probation and are accepted at another VSC institution, your academic probation status goes with you.

Transfer of Credit from Other Institutions

(See "Transfer Credit Policy and Procedures" at www.jsc.edu/TransferCreditPolicy.)

In order to be eligible for the transfer of credits from other institutions, you must be a matriculated (degree-seeking) student at Johnson State College. Matriculated students at Johnson State who wish to take courses at other institutions and have credits transferred to Johnson State are encouraged to have a conversation with their academic advisor before registering. Transfer credits will not be accepted from non-matriculated students.

Transfer credit may be granted by Johnson State College for college-level courses completed with the equivalent of a grade of C- or better at regionally accredited or officially approved institutions of higher education. Credit for a D in a course may be granted if the second semester of a two-semester, sequential course is completed with a C- or better. In addition, for transfer students holding a two-year associate's degree from an accredited institution, credits applied to that degree will be accepted as transfer credit. Credits earned in a quarter system count as two-thirds of a semester credit. The grades attached to credits accepted in transfer are not calculated in a student's cumulative grade point average.

Johnson State requires that a student accumulate at least 39 credits of upper-level work in order to graduate. Transfer credits are normally accepted as lower-level credits. Students who believe that transferred credits were upper-level work should present documentation (usually in the form of a catalog from the transferring institution) to the Registrar's Office for consideration.

Credits accepted for transfer are not necessarily accepted as meeting requirements in a student's major or for General Education requirements.

The Registrar will evaluate credits for experiential learning and credits from unaccredited institutions to determine their applicability toward graduation requirements. An associate's degree and an R.N. diploma will be accepted as 60 credits.

Assessment of Prior Learning

Learning acquired through work or other non-college experiences may be assessed for college credit. The Assessment of Prior Learning (APL) course (see course listing below), taught through the Community College of Vermont, is designed for this purpose. Students are guided through the process of describing and documenting their experiential learning in a portfolio. This document is then reviewed for credit by an Advance Standing Committee composed of appropriate faculty and professionals. The credit awarded through the Office of External Programs may be transferred to JSC and the other Vermont State Colleges. The Registrar, in consultation with faculty and staff of the appropriate departments, will evaluate these credits to determine their applicability toward graduation requirements.

EDU-1240 Assessment of Prior Learning (3 cr.)
(Offered through Community College of Vermont)

This course is an opportunity for students to earn college credit for prior learning acquired either on the job or in other settings. Students explore past learning experiences and identify future educational goals. Students develop an individual portfolio describing and documenting prior learning. Upon successful completion of the course, students may submit their portfolio to the Office of External Programs for review of credit requests. Recommended prerequisite: ENG-1071 College Writing or equivalent. Before enrolling, students should consult the Academic Support Services Office in Dewey Hall at 802-635-1259.

Internships

Internship placements exist for matriculated students who wish to gain practical experience in a particular field. Internships are individually designed to meet the needs of students. Each student is assigned a faculty member from JSC and a site supervisor to ensure successful completion of the work experience. The eligibility requirements for participation in an internship are established by the faculty in each academic department. Internships in every major, at both upper and lower levels, are available for one through 12 credits; each credit hour represents a minimum of 40 work hours (except for HTM internships, which require 80 hours per credit). Internships are graded on a Pass/No Pass basis only. In addition to regular, per credit tuition charges, a \$45 internship fee will be assessed and charged to the student's account. *[Students should make arrangements for their internship and submit the completed internship application in the semester prior to the semester in which the internship begins.]*

Independent Study

Independent studies are more academic and research-based in nature and often replace a regular course. Each student pursuing an independent study works under the direct and regular supervision of a faculty member. The goals, objectives and performance measures for independent studies are defined in a formal contract between the faculty supervisor and the student, and approved by the Academic Dean or his/her designee. For all students, a maximum of 21

credits of independent study can be taken during pursuit of a bachelor's degree. In addition to regular per credit tuition charges, a \$30/credit fee will be assessed and charged to the student's account.

Students receiving veterans' educational benefits must comply with specific V.A. regulations with regard to independent study. (See Veterans' Benefits)

Summer Course Offerings

Johnson State College offers a limited schedule of courses in the summer. See the Summer Bulletin and the JSC website for specific course information, rates and registration procedures.

Tuition for summer is charged at the regular in-state rate for Vermont residents and at 150 percent of the in-state rate for all out-of-state students.

National Student Exchange

The National Student Exchange (NSE), coordinated by the Advising & Career Center, is a network of nearly 200 institutions of higher education in the United States and Canada. Through NSE, JSC students who meet eligibility requirements can spend a semester or a year at one or more of these institutions, earning credits toward their JSC degree. In addition, international exchange opportunities are available through participating institutions that open their study abroad programs to NSE exchange students. Following a semester or year exchange, students return to JSC to complete their degrees.

Taking Courses as a Non-Degree Student

Non-degree students are students who wish to take one or more undergraduate courses at JSC for college credit but who are not formally admitted as matriculated (degree-seeking) students. To be eligible to enroll in courses as a non-degree student, students must have a high school diploma or a GED. Students who wish to enroll as a non-degree student should request registration information from the Registrar's Office. Non-degree students may enroll in all courses listed in the catalog, if space is available. In most cases, non-degree students are ineligible for state, federal or college-sponsored financial aid; however, they may be eligible for the VSAC non-degree grant. (Graduate courses are generally available only to students who have completed a 4-year degree.)

Extension Courses

The College occasionally offers special courses to selected audiences at various locations. These courses are not listed in this catalog but are separately advertised or sponsored through agencies or other institutions.

Army ROTC

Johnson State College offers an Army ROTC program in collaboration with the University of Vermont. The program leads to an officer commission as a second lieutenant in the United States Army, Army Reserve, or Army National Guard. Scholarships are available to qualified applicants.

For further information, contact the Department of Military Studies at the University of Vermont, 128 University Heights, Burlington, VT, 05401.

Email: uvmrotc@zoo.uvm.edu. Website: www.goarmy.com/rotc

Exiting the College

Exiting from the College

A student voluntarily exiting from the College must do so formally and in writing by completing a Student Exit Notification and Leave of Absence Form.

The transcripts of students exiting the College after the beginning of the semester and prior to the withdrawal deadline (week nine) will show W grades for all courses enrolled in that semester. The transcripts of students exiting the College after the ninth week will show earned grades of A-F submitted by their instructors at the end of the semester.

Students who exit from the College and who are not on an approved Leave of Absence or Stop Out (see below) may reapply by making formal application with the Admissions Office. The W grades received will be used in making an admission decision. For refunds on room, meal plan and tuition charges, see the Refund Policy in this catalog.

Leave of Absence for Campus-Based Students

Students in good academic standing, who have an approved Plan of Study on file, if required, and wish to interrupt their studies for a period not to exceed two consecutive regular semesters, may request a leave of absence. Students on a leave of absence do not need to apply for re-admission and will be allowed to pre-register during the regular advance registration period.

Students may apply for a leave of absence by completing a Student Exit Notification and Leave of Absence Form. The leave is not official until the request is approved by the Registrar. A leave for one or two consecutive regular semesters may be requested prior to the add/drop deadline. In special circumstances, the leave of absence may be extended beyond the approved period with the approval of the Registrar.

Stop Out for External Degree Program Students

External Degree Program students must register for a minimum of three credits a semester to maintain active status in the External Degree Program. However, EDP students may take a semester or more off and re-enter the program when it is convenient, and do not need to complete a Leave of Absence Request Form. Any credits taken while out of the program that fit into their degree plan may count toward graduation as long as 30 of the last 39 credits are registered through JSC/EDP. There is no fee for re-entry. If a student has been out of the program longer than five years, he/she must reapply to the External Degree Program. Approval will be contingent, in part, on availability of courses and the student's access to them.

Requesting a Transcript

Johnson State College uses Transcripts on Demand by SCRIP-SAFE International as our trusted agent for processing transcript requests as well as delivering official academic transcripts electronically. This is a "green initiative" that provides the fastest delivery time and enables tracking of delivery and receipt. For more information, see <http://www.jsc.edu/offices-non-academic-departments/registrars-office/transcripts/>.

Transcripts for students with past-due bills or other obligations to any of the Vermont State Colleges will not be released until all bills are paid. Students requesting a transcript toward the end of any semester should indicate whether they want it sent immediately or whether it should be held until final grades are recorded. In the latter case, transcripts will not be sent out until at least the third week following the end of the semester.

Appeal of Academic Policies

Students may appeal any academic regulation or decision to the Academic Status Committee of the Faculty Assembly (for campus-based students) or the EDP Academic Review Board (for EDP students) and then to the Academic Dean or his/her designee. The decision of the Academic Dean or his/her designee is final and may not be appealed to the President unless otherwise noted.

Academic Programs

Major

Anthropology & Sociology (B.A.)

With integrative study in anthropology and sociology, students learn to appreciate, understand and investigate how diversities and social structural arrangements among people affect the distribution of power around the globe and subsequent possibilities for people to co-exist in a fair, socially just world and to personally live robust and ecologically sustainable lives. Anthropology explores the range of cultural and biological differences and similarities among all peoples. Some topics include: evolution, environment, symbolism, values, art, healing, religion and consciousness. Anthropology's emphasis upon cultural relativism reveals the rich diversity of human life within the global setting. Sociology investigates social interaction, the societal forces of inequality, power and the role of social structure including the family, economics, politics, education, religion and the media that collectively organize the lens through which we organize, and makes sense of, our behavior and relationships. Students combine unique understandings of how and why people behave the way they do with knowledge of the impact of technology, globalization and diversity toward careers in the service industry, social work, police and correction agencies, personnel management in corporations, and in the nonprofit management sector.

Learning Outcomes for Anthropology/Sociology Majors

Anthropology and Sociology graduates should be able to demonstrate their:

1. Knowledge of the concepts, theories and methodologies of cultural and social forces and their impact on personal life choices, community relationships, national issues and globalization.
2. Holistic, interdisciplinary critical thinking in a way that integrates oral, written, visual, geographic, computer-based and media literacy skills, to evaluate and communicate the "bigger picture" of societal institutions and multi-cultural forces on our personal choices, our societal arrangements and our global involvements.
3. Cultural diversity skills that acknowledge the many beliefs, values, languages, norms, sanctions, symbols and technologies that inform lifestyles across the globe.
4. Informed knowledge of the power of social and cultural forces to bear upon both personal life choices and on civic responsibility and accountability to co-create a socially just, diverse and sustainable world.
5. Preparedness to further their education or enter careers that require interpersonal, multicultural knowledge and "people skills" in diversity, global awareness and social justice. Careers include education, personnel management, social service agencies, government positions doing research and training, criminal justice and international intelligence agencies.

Anthropology & Sociology Requirements

Required Courses

Core Courses (15 credits)

- ANT-1010 Introduction to Cultural Anthropology 3 credits
- SOC-1010 Introduction to Sociology 3 credits

- ANT-3110 Development of Anthropological Thinking 3 credits **OR**
- SOC-4020 Sociological Theory 3 credits

- ANT-3120 Science, Research Methods & Ethics 3 credits
- ANT-4720 Senior Seminar in Anthropology/Sociology 3 credits

Electives (18 credits required)

At least 6 credits from ANT courses:

- ANT-3020 Religion, Culture & Alternate Realities 3 credits
- ANT-3040 Culture Change in the Modern World 3 credits
- ANT-3130 Culture & Personality 3 credits
- ANT-4010 Anthropology of Death 3 credits
- ANT-4020 Multicultural Health, Illness & Healing 3 credits
- ANT-4730 Topical Seminar in Anthropology 1-3 credits

At least 6 credits from SOC courses:

- SOC-2040 Race/Ethnicity, Class & Gender 3 credits
- SOC-2050 Drugs, Herbs & Society 3 credits
- SOC-2140 Sociolinguistics 3 credits
- SOC-2150 Social Solutions 3 credits
- SOC-3020 Environment & Society 3 credits
- SOC-3040 Social Movement, Culture & Activism 3 credits
- SOC-3050 Gender & Society 3 credits
- SOC-3060 Sexuality & Intimacy 3 credits
- SOC-3080 Wellness & Alternative Medicine 3 credits
- SOC-3130 Mass Media & Society 3 credits
- SOC-3230 Alternative Medicine, Science & Disease 3 credits
- SOC-4010 Family Violence 3 credits
- SOC-4030 Global Health, Diversity & Policy 3 credits
- SOC-4730 Topical Seminar in Sociology 1-3 credits (3 credits)

Up to 6 credits of optional, related disciplinary options:

- CSV-1011 Principles in Community Service Learning 2 credits
- CSV-1012 Community Service Learning 1 credits
- CSV-3010 Leadership through Volunteer Service Learning 1 credits

- FRE-1111 French I 3 credits **AND**
- FRE-1111L French I Lab 1 credits

- FRE-3010 Culture & Civilization through Correspondence & Conversation 3 credits
- HIS-2210 Women in U.S. History 3 credits
- HIS-3225 Latin America: Mexico to Chile; History, Politics, Cultures 3 credits
- HIS-3450 Women in European History 3 credits
- HUM-3150 People & Cultures of the Middle East & North Africa 3 credits
- HUM-3160 African Culture 3 credits
- MUS-3050 The Social History of Rock & Roll 3 credits
- POS-3040 The Politics of Gender 3 credits
- POS-3220 Genocide: Inhumanity Across the Ages 3 credits
- PSY-3230 Psychology of Gender 3 credits

- SPA-1011 Spanish I 3 credits **AND**
- SPA-1011L Spanish I 1 credits

Total: 33 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Art (B.A.)

Within this program, students create work in a variety of disciplines, including drawing, painting, sculpture, printmaking, photography, digital media, ceramics and art history. The degree provides students with a critical and historical perspective for assessing their work.

Learning Outcomes for Art Majors

Graduating students should be able to:

1. Articulate informed and ideologically sound ideas about art, both historic and contemporary, and connect those ideas to the wider world.
2. Create artwork that is technically proficient and imbued with meaningful content.
3. Demonstrate a general understanding, ability and resourcefulness with a wide range of art media, as well as a deeper understanding of at least one medium such as drawing, painting, sculpture, photography, digital media or art history.
4. Have an openness to ideas other than their own and a willingness to take risks with their own work.
5. Have established regular studio practice, which will hopefully be lifelong, be aware of developing issues in their own work and know how to continue on their own in the pursuit of that vision, with strategies for maintaining self-awareness.

Art Requirements

Required Courses

- ARH-2010 Survey of Western Traditions in Art 3 credits
- ARH-2060 Survey of Non-Western Traditions in Art 3 credits
- ART-1011 Drawing I 3 credits
- ART-1140 Design 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- ART-2211 Painting I 3 credits
- ART-2251 Sculpture I 3 credits

Subtotal: 21 credits

Introductory Studio Electives

(Select two courses)

- ART-1231 Ceramics I 3 credits
- ART-2150 Jewelry & Metalsmithing 3 credits
- ART-2301 Photography I 3 credits
- ART-2410 Introduction to Printmaking 3 credits

Subtotal: 6 credits

Advanced Art History & Studio* Electives

(Select five courses, including at least one from ARH and one from ART)

- ARH-3015 Greek & Roman Art 3 credits
- ARH-3020 Art of the Renaissance 3 credits
- ARH-3060 Twentieth Century Art 3 credits
- ARH-3110 The Spiritual in Non-Western Art 3 credits
- ARH-3120 Art Criticism 3 credits
- ARH-3130 The History of Photography 3 credits
- ARH-3140 African Art 3 credits
- ARH-3150 Art of the Human Body 3 credits
- ARH-3210 Women in Art 3 credits
- ART-3031 Life Drawing 3 credits
- ART-3032 Advanced Drawing 3 credits
- ART-3040 Landscape Painting 3 credits
- ART-3222 Ceramics II 3 credits
- ART-3314 Advanced Printmaking 3 credits
- ART-3320 Monoprints 3 credits
- ART-4020 Advanced Digital Media 3 credits
- ART-4040 Advanced Photography 3 credits
- ART-4050 Advanced Painting 3 credits
- ART-4060 Advanced Digital: Graphic Design 3 credits
- ART-4070 Advanced Digital: Web Design for Artists 3 credits
- ART-4110 Visual Art & Performance 3 credits
- ART-4130 Advanced Sculpture 3 credits
- ARH-4710 Special Topics in Art History 3 credits

- ART-4710 Special Topics in Art 3 credits

Subtotal: 15 credits

*Students may take the same Advanced Studio course more than once, but no more than twice with the same professor.

Required Capstone Course:

- ARH-4720 Seminar in Contemporary Art Issues 3 credits

Total: 45 credits

Art Education (PreK-12) Teaching Endorsement

Students pursuing a license to teach art in grades PreK-12 must complete either the B.A. in Art or the B.F.A. in Studio Arts as well as specific teacher-education coursework and requirements. Please refer to the Unified Arts Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Biology: Field Naturalist (B.A.)

The B.A. in biology is designed for students who want to become a field naturalist. Field naturalists have a broad knowledge of ecology, organismal biology, field geology, environmental chemistry, conservation biology and wildlife management. Field naturalist majors are particularly well qualified for environmental education and research positions for state or federal environmental conservation agencies, private conservation organizations, consulting firms and environmental education institutions.

Learning Outcomes for Biology: Field Naturalist Majors

The B.A. in the field naturalist program seeks to produce graduates who:

- Critically read, evaluate and synthesize information from relevant biological and environmental literature;
- Observe, identify and measure the living and physical aspects of the natural environment using scientific methods; and
- Are able to articulate in written, oral and graphical form the characteristics of natural environments and human interactions with them.

Bachelor of Science in Biology

The study of biology serves all college majors and professionals by preparing them to understand and deal with the many biological concepts, issues and problems in their fields. Our program is designed to introduce the core sub-disciplines of biology and to offer advanced studies in organismal, human, molecular and environmental biology. Microbiologists, physiologists, zoologists, molecular biologists, field naturalists, ecologists, marine biologists, agricultural scientists, foresters, wildlife managers, physicians, therapists, nutritionists, toxicologists, science writers and teachers are a sample of the professionals who commonly begin as biology majors.

Students in the biology program explore outdoor laboratories ranging from the College's Babcock Nature Preserve to areas as diverse as tropical ecosystems and the American west. On campus, our program is supported by teaching laboratories, a greenhouse, an artificial stream laboratory, a cellular and molecular laboratory, and extensive herbarium and vertebrate museum collections.

The research activities of the faculty include understanding cell behavior at the molecular level, classification of plants, improving teaching in biology, vertebrate ecology and studying environmental pollution.

The B.S. program is designed for students who desire a comprehensive training in the life sciences leading to areas in education, research or medicine. Students who complete the required education courses for secondary licensure are eligible to teach science for grades 7-12 in the public schools.

Learning Outcomes for Biology Majors

The B.S. in the biology program seeks to produce graduates who:

- Demonstrate basic knowledge: Students will understand the fundamental concepts of each of the following biological disciplines and the relationships among them: organismal biology, ecology, cellular/molecular biology and evolution.
- Apply the scientific method: Students will design and carry out a research study that incorporates the major steps in the scientific method of investigation.
- Communicate in science: Students will communicate effectively both in scientific writing and oral presentations.
- Have values and ethics: Students will apply ethical guidelines in professional and societal behavior.

Biology Requirements

Required Courses (42 credits)

- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits * +

- BIO-4920 Senior Thesis 3 credits **OR**
- BIO-4810 Internship in Biology 1-12 credits (3 credits)

- CHE-1031 General Chemistry I 4 credits *
- CHE-1032 General Chemistry II 4 credits *
- CHE-3111 Organic Chemistry I 4 credits *
- CHE-3112 Organic Chemistry II 4 credits *
- ENV-2210 Current Topics in Science 1 credits (3 semesters)
- MAT-1531 Calculus I 4 credits *
- PHY-1041 Physics I 4 credits *
- PHY-1042 Physics II 4 credits *

Note:

* These courses also fulfill requirements in the Environmental Science, Health Sciences, Outdoor Education and Wellness & Alternative Medicine programs.

Biology: Field Naturalist Requirements

Required Courses

- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits +
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits * +
- BIO-2145 Plant Biology 4 credits
- BIO-2310 Invertebrate & Vertebrate Zoology 4 credits
- BIO-2340 Fundamentals of Ecology 4 credits *

- BIO-3720 Current Topics in Biology 1 credits (spring only) **OR**
- ENV-2210 Current Topics in Science 1 credits (fall only)

- BIO-4810 Internship in Biology 1-12 credits (3-12 credits) **OR**
- BIO-4920 Senior Thesis 3 credits (3-12 credits)

- CHE-1032 General Chemistry II 4 credits * +
- CHE-1031 General Chemistry I 4 credits *
- ENV-1050 Introduction to Earth Science 4 credits * +
- ENV-1110 Introduction to Environmental Problems 3 credits *
- ENV-2050 The Natural History of Vermont 3 credits *

Electives

(select a minimum of 4 courses from the following)

- BIO-3110 Field Ornithology 3 credits * **OR**
- BIO-3320 Ornithology 4 credits

- BIO-3160 Animal Behavior 4 credits
- BIO-3170 Mammalogy 4 credits
- BIO-3260 Limnology 4 credits
- BIO-3280 Environmental Toxicology 4 credits
- BIO-3290 Conservation Biology 3 credits
- BIO-3310 Wildlife Field Methods 4 credits *
- ENV-3220 Environmental Interpretation 3 credits *
- ENV-3310 Applications in GIS 4 credits
- GEY-3120 Field Geology 4 credits *

Total: 55-67 credits

**These courses may fulfill requirements in the ENV, HSC, OER and WAM programs.*

+These courses also fulfill the General Education Core Curriculum requirements.

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the B.A. in Biology: Field Naturalist, B.S. in Biology: General, B.S. in Biology: Pre-Medical, B.S. in Health Sciences: Physical Education, B.S. in Health Sciences: Pre-Physical Therapy, B.S. in Environmental Science: Analysis & Assessment, or B.S. in Environmental Science: Policy & Advocacy), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Biology: General (B.S.)

Bachelor of Science in Biology

The study of biology serves all college majors and professionals by preparing them to understand and deal with the many biological concepts, issues and problems in their fields. Our program is designed to introduce the core sub-disciplines of biology and to offer advanced studies in organismal, human, molecular and environmental biology. Microbiologists, physiologists, zoologists, molecular biologists, field naturalists, ecologists, marine biologists, agricultural scientists, foresters, wildlife managers, physicians, therapists, nutritionists, toxicologists, science writers and teachers are a sample of the professionals who commonly begin as biology majors.

Students in the biology program explore outdoor laboratories ranging from the College's Babcock Nature Preserve to areas as diverse as tropical ecosystems and the American west. On campus, our program is supported by teaching laboratories, a greenhouse, an artificial stream laboratory, a cellular and molecular laboratory, and extensive herbarium and vertebrate museum collections.

The research activities of the faculty include understanding cell behavior at the molecular level, classification of plants, improving teaching in biology, vertebrate ecology and studying environmental pollution.

The B.S. program is designed for students who desire a comprehensive training in the life sciences leading to areas in education, research or medicine. Students who complete the required education courses for secondary licensure are eligible to teach science for grades 7-12 in the public schools.

Learning Outcomes for Biology Majors

The B.S. in the biology program seeks to produce graduates who:

- Demonstrate basic knowledge: Students will understand the fundamental concepts of each of the following biological disciplines and the relationships among them: organismal biology, ecology, cellular/molecular biology and evolution.
- Apply the scientific method: Students will design and carry out a research study that incorporates the major steps in the scientific method of investigation.

- Communicate in science: Students will communicate effectively both in scientific writing and oral presentations.
- Have values and ethics: Students will apply ethical guidelines in professional and societal behavior.

Biology Requirements

Required Courses (42 credits)

- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits * +
- BIO-4920 Senior Thesis 3 credits **OR**
- BIO-4810 Internship in Biology 1-12 credits (3 credits)
- CHE-1031 General Chemistry I 4 credits *
- CHE-1032 General Chemistry II 4 credits *
- CHE-3111 Organic Chemistry I 4 credits *
- CHE-3112 Organic Chemistry II 4 credits *
- ENV-2210 Current Topics in Science 1 credits (3 semesters)
- MAT-1531 Calculus I 4 credits *
- PHY-1041 Physics I 4 credits *
- PHY-1042 Physics II 4 credits *

Note:

* These courses also fulfill requirements in the Environmental Science, Health Sciences, Outdoor Education and Wellness & Alternative Medicine programs.

General Biology Concentration

Required Courses

- BIO-2340 Fundamentals of Ecology 4 credits
- BIO-3220 Genetics 4 credits

Electives (Select a minimum of 1 course from each set.)

Set 1: Mathematics

- MAT-2030 Probability & Statistics 3 credits +
- MAT-2532 Calculus II 4 credits

Set 2: Cell/Molecular Biology

- BIO-3125 Biological Chemistry 4 credits
- BIO-3130 Cellular Biology: A Molecular Approach 4 credits *

- BIO-3140 Microbiology 4 credits *

Set 3: Organismal Biology

- BIO-2011 Human Anatomy & Physiology I 4 credits
- BIO-2012 Human Anatomy & Physiology II 4 credits
- BIO-2145 Plant Biology 4 credits
- BIO-2310 Invertebrate & Vertebrate Zoology 4 credits
- BIO-3160 Animal Behavior 4 credits
- BIO-3170 Mammalogy 4 credits
- BIO-3320 Ornithology 4 credits

Set 4: Ecology/Evolution

- BIO-3260 Limnology 4 credits
- BIO-3280 Environmental Toxicology 4 credits *
- BIO-3290 Conservation Biology 3 credits

Total: 64-66 credits

**These courses also fulfill requirements in the ENV, HSC, OER and WAM programs.*

+These courses also fulfill the General Education Core Curriculum requirements.

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the B.A. in Biology: Field Naturalist, B.S. in Biology: General, B.S. in Biology: Pre-Medical, B.S. in Health Sciences: Physical Education, B.S. in Health Sciences: Pre-Physical Therapy, B.S. in Environmental Science: Analysis & Assessment, or B.S. in Environmental Science: Policy & Advocacy), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Biology: Pre-Medical (B.S.)

Bachelor of Science in Biology

The study of biology serves all college majors and professionals by preparing them to understand and deal with the many biological concepts, issues and problems in their fields. Our program is designed to introduce the core sub-disciplines of biology and to offer advanced studies in organismal, human, molecular and environmental biology. Microbiologists, physiologists, zoologists, molecular biologists, field naturalists, ecologists, marine biologists, agricultural scientists, foresters, wildlife managers, physicians, therapists, nutritionists, toxicologists, science writers and teachers are a sample of the professionals who commonly begin as biology majors.

Students in the biology program explore outdoor laboratories ranging from the College's Babcock Nature Preserve to areas as diverse as tropical ecosystems and the American west. On campus, our program is supported by teaching laboratories, a greenhouse, an artificial stream laboratory, a cellular and molecular laboratory, and extensive herbarium and vertebrate museum collections.

The research activities of the faculty include understanding cell behavior at the molecular level, classification of plants, improving teaching in biology, vertebrate ecology and studying environmental pollution.

The B.S. program is designed for students who desire a comprehensive training in the life sciences leading to areas in education, research or medicine. Students who complete the required education courses for secondary licensure are eligible to teach science for grades 7-12 in the public schools.

Learning Outcomes for Biology Majors

The B.S. in the biology program seeks to produce graduates who:

- Demonstrate basic knowledge: Students will understand the fundamental concepts of each of the following biological disciplines and the relationships among them: organismal biology, ecology, cellular/molecular biology and evolution.
- Apply the scientific method: Students will design and carry out a research study that incorporates the major steps in the scientific method of investigation.
- Communicate in science: Students will communicate effectively both in scientific writing and oral presentations.
- Have values and ethics: Students will apply ethical guidelines in professional and societal behavior.

Biology Requirements

Required Courses (42 credits)

- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits * +

- BIO-4920 Senior Thesis 3 credits **OR**
- BIO-4810 Internship in Biology 1-12 credits (3 credits)

- CHE-1031 General Chemistry I 4 credits *
- CHE-1032 General Chemistry II 4 credits *
- CHE-3111 Organic Chemistry I 4 credits *
- CHE-3112 Organic Chemistry II 4 credits *
- ENV-2210 Current Topics in Science 1 credits (3 semesters)
- MAT-1531 Calculus I 4 credits *
- PHY-1041 Physics I 4 credits *
- PHY-1042 Physics II 4 credits *

Note:

* These courses also fulfill requirements in the Environmental Science, Health Sciences, Outdoor Education and Wellness & Alternative Medicine programs.

Pre-Medical Concentration

Take a minimum of 16 credits from the following courses:

- AHS-3050 Introduction to Pharmacology 3 credits
- AHS-3230 Physiology of Exercise 4 credits
- AHS-3120 Kinesiology 3 credits
- BIO-2011 Human Anatomy & Physiology I 4 credits
- BIO-2012 Human Anatomy & Physiology II 4 credits
- BIO-2310 Invertebrate & Vertebrate Zoology 4 credits
- BIO-3125 Biological Chemistry 4 credits
- BIO-3130 Cellular Biology: A Molecular Approach 4 credits
- BIO-3140 Microbiology 4 credits
- BIO-3180 Nutrition 3 credits
- BIO-3220 Genetics 4 credits
- MAT-2030 Probability & Statistics 3 credits
- MAT-2532 Calculus II 4 credits

Total: 58 credits

Additional Recommended Courses

Medical schools generally look for students who have a solid liberal education. Courses in humanities and the social sciences are strongly recommended including:

- PSY-1010 Introduction to Psychology 3 credits
- PSY-3330 Psychology of Addictions 3 credits
- PSY-4010 Biological Psychology 3 credits
- SOC-1010 Introduction to Sociology 3 credits
- SOC-3060 Sexuality & Intimacy 3 credits

Total including recommended courses above: 73 credits

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the B.A. in Biology: Field Naturalist, B.S. in Biology: General, B.S. in Biology: Pre-Medical, B.S. in Health Sciences: Physical Education, B.S. in Health Sciences: Pre-Physical Therapy, B.S. in Environmental Science: Analysis & Assessment, or B.S. in Environmental Science: Policy & Advocacy), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Business: Accounting (B.A.)

Bachelor of Arts in Business

The business major is designed to provide students with the skills, knowledge and wisdom necessary to run their own business, be successful in an organization of their choosing and be prepared for graduate study. The student's education in this major comes from both the classroom and real-world experiences, including on-site internships in the field. Specifically, the degree focuses on planning, in reference to products and service; organizational structure; leadership, human resource management, marketing and financial management.

Learning Outcomes for Business Majors

The faculty of the Business & Economics Department have identified five learning outcomes that should be developed and mastered by the time students graduate. Business management graduates will:

1. Successfully apply classroom knowledge to real-world experiences.
2. Demonstrate industry-appropriate communication skills and the ability to work effectively with diverse groups in a team environment.
3. Demonstrate the ability to adapt themselves to a changing business environment while encouraging others to do so as well.
4. Demonstrate the ability to amass, evaluate and interpret complex information to make effective business decisions.
5. Demonstrate the appropriate business norms and ethics, and mastery of the fundamental skills and knowledge required to successfully steward a business operation.

Business Requirements

Required Core Courses

- ACC-2121 Financial Accounting 4 credits
- ACC-2122 Managerial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2140 Personal Finance 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-2410 Human Resource Management 3 credits
- BUS-2280 Introduction to Business Ethics 3 credits
- BUS-3131 Business Law I 3 credits
- BUS-3250 Organizational Behavior & Management 3 credits
- BUS-4720 Senior Seminar 3 credits
- ECO-2020 Macroeconomics 3 credits
- ECO-2030 Microeconomics 3 credits

Total for Core: 38 credits

Business students are strongly encouraged to take MAT-2030 Probability & Statistics and MAT-1221 Finite Mathematics to satisfy their core curriculum mathematics requirements.

Accounting Concentration

The Accounting concentration builds on the core business curriculum to provide 20 additional credits in accounting and accounting-related courses. Students gain specialized knowledge in accounting and financial reporting, and gain an integrated overview of the economic activities of business entities.

This program provides the basic educational foundation required for a variety of entry-level positions in public accounting, business, government and nonprofit organizations. Students who intend to become licensed or certified public accountants (CPAs) in Vermont are advised of additional academic requirements adopted by the state effective July 1, 2014: They must complete a total of 150 credit hours (30 more than a typical bachelor's degree), and 42 of those credits must be in accounting-related courses. This may be accomplished by taking summer classes as well as a full course load (18 credits) during the fall and spring semesters or by enrolling in JSC's Certificate of Proficiency in Accounting following graduation.

Note: In addition to the academic requirements, Vermont regulations require one year of accounting work experience in order to gain licensure and sit for the national CPA exam.

- ACC-2230 Federal Taxes 3 credits
- ACC-3025 Cost Management 3 credits
- ACC-3111 Advanced Intermediate Accounting I 4 credits
- ACC-3112 Advanced Intermediate Accounting II 4 credits
- BUS-4810 Internship in Business Management 1-12 credits (6 credits)

Total for Concentration: 20 credits

Total Core and Concentration Credits: 58 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Business: Hospitality & Tourism Management (B.A.)

Bachelor of Arts in Business

The business major is designed to provide students with the skills, knowledge and wisdom necessary to run their own business, be successful in an organization of their choosing and be prepared for graduate study. The student's education in this major comes from both the classroom and real-world experiences, including on-site internships in the field. Specifically, the degree focuses on planning, in reference to products and service; organizational structure; leadership, human resource management, marketing and financial management.

Learning Outcomes for Business Majors

The faculty of the Business & Economics Department have identified five learning outcomes that should be developed and mastered by the time students graduate. Business management graduates will:

1. Successfully apply classroom knowledge to real-world experiences.

2. Demonstrate industry-appropriate communication skills and the ability to work effectively with diverse groups in a team environment.
3. Demonstrate the ability to adapt themselves to a changing business environment while encouraging others to do so as well.
4. Demonstrate the ability to amass, evaluate and interpret complex information to make effective business decisions.
5. Demonstrate the appropriate business norms and ethics, and mastery of the fundamental skills and knowledge required to successfully steward a business operation.

Business Requirements

Required Core Courses

- ACC-2121 Financial Accounting 4 credits
- ACC-2122 Managerial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2140 Personal Finance 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-2410 Human Resource Management 3 credits
- BUS-2280 Introduction to Business Ethics 3 credits
- BUS-3131 Business Law I 3 credits
- BUS-3250 Organizational Behavior & Management 3 credits
- BUS-4720 Senior Seminar 3 credits
- ECO-2020 Macroeconomics 3 credits
- ECO-2030 Microeconomics 3 credits

Total for Core: 38 credits

Business students are strongly encouraged to take MAT-2030 Probability & Statistics and MAT-1221 Finite Mathematics to satisfy their core curriculum mathematics requirements.

Hospitality & Tourism Management (HTM) Concentration

Tourism and hospitality is one of the world's fastest growing industries, employing millions around the globe and providing exciting career opportunities near and far. Business students in this concentration will complete a rigorous internship to complement their learning. Past internships included our local area ski resorts, the Boston Harbor Hotel, the Dunes in South Carolina and the Sheraton Hotel in Oahu, Hawaii.

Students complete both BUS (business) and HTM courses and select from a broad range of electives to round out their education. In addition, the HTM program weaves numerous hours of experiential learning into the curriculum over four years.

Faculty connections and formal partnerships enable JSC to connect students with top resorts, hotels, restaurants and event-management firms for part-time employment during their college years and rewarding careers following graduation.

- HTM-1010 Survey of Hospitality & Tourism 3 credits
- HTM-3010 Food & Beverage Management 3 credits
- HTM-3110 Lodging & Resort Operations 3 credits
- HTM-3210 International Travel & Tourism 3 credits *

- HTM-3230 Facility Planning & Design 3 credits
- BUS-4810 Internship in Business Management 1-12 credits (6 credits)

Total for Concentration: 21 credits

Total Core and Concentration Credits: 59 credits

**Course substitutions may be possible. Consult with your academic advisor.*

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Business: Management (B.A.)

Bachelor of Arts in Business

The business major is designed to provide students with the skills, knowledge and wisdom necessary to run their own business, be successful in an organization of their choosing and be prepared for graduate study. The student's education in this major comes from both the classroom and real-world experiences, including on-site internships in the field. Specifically, the degree focuses on planning, in reference to products and service; organizational structure; leadership, human resource management, marketing and financial management.

Learning Outcomes for Business Majors

The faculty of the Business & Economics Department have identified five learning outcomes that should be developed and mastered by the time students graduate. Business management graduates will:

1. Successfully apply classroom knowledge to real-world experiences.
2. Demonstrate industry-appropriate communication skills and the ability to work effectively with diverse groups in a team environment.
3. Demonstrate the ability to adapt themselves to a changing business environment while encouraging others to do so as well.
4. Demonstrate the ability to amass, evaluate and interpret complex information to make effective business decisions.
5. Demonstrate the appropriate business norms and ethics, and mastery of the fundamental skills and knowledge required to successfully steward a business operation.

Business Requirements

Required Core Courses

- ACC-2121 Financial Accounting 4 credits
- ACC-2122 Managerial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits

- BUS-2140 Personal Finance 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-2410 Human Resource Management 3 credits
- BUS-2280 Introduction to Business Ethics 3 credits
- BUS-3131 Business Law I 3 credits
- BUS-3250 Organizational Behavior & Management 3 credits
- BUS-4720 Senior Seminar 3 credits
- ECO-2020 Macroeconomics 3 credits
- ECO-2030 Microeconomics 3 credits

Total for Core: 38 credits

Business students are strongly encouraged to take MAT-2030 Probability & Statistics and MAT-1221 Finite Mathematics to satisfy their core curriculum mathematics requirements.

Management Concentration

This program provides students with the skills and knowledge to run their own business, succeed in an organization of their choosing, or pursue an MBA.

Through in-class case studies and simulations to internships, students apply theory to actual business situations and develop skills in planning, organizing, leading and controlling a business. Areas of focus include planning, organizational structure, leadership, human resource management, marketing and financial management.

An additional feature of this program is an articulation agreement between Johnson State College and Clarkson University in Potsdam, N.Y. With strict adherence to a prescribed schedule and set of courses, JSC graduates in this concentration may go on to earn an M.B.A. from Clarkson in just one year.

- BUS-3150 Production/Operations Management 3 credits
- BUS-3230 Financial Management 3 credits
- BUS-4070 Strategic Decision Making 3 credits
- BUS-4810 Internship in Business Management 1-12 credits (6 credits)
- CIS-1430 Spreadsheets 3 credits

Total for Concentration: 18 credits

Total Core and Concentration Credits: 56 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Business: Marketing (B.A.)

Bachelor of Arts in Business

The business major is designed to provide students with the skills, knowledge and wisdom necessary to run their own business, be successful in an organization of their choosing and be prepared for graduate study. The student's education in this major comes from both the classroom and real-world experiences, including on-site internships in the field. Specifically, the degree focuses on planning, in reference to products and service; organizational structure; leadership, human resource management, marketing and financial management.

Learning Outcomes for Business Majors

The faculty of the Business & Economics Department have identified five learning outcomes that should be developed and mastered by the time students graduate. Business management graduates will:

1. Successfully apply classroom knowledge to real-world experiences.
2. Demonstrate industry-appropriate communication skills and the ability to work effectively with diverse groups in a team environment.
3. Demonstrate the ability to adapt themselves to a changing business environment while encouraging others to do so as well.
4. Demonstrate the ability to amass, evaluate and interpret complex information to make effective business decisions.
5. Demonstrate the appropriate business norms and ethics, and mastery of the fundamental skills and knowledge required to successfully steward a business operation.

Business Requirements

Required Core Courses

- ACC-2121 Financial Accounting 4 credits
- ACC-2122 Managerial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2140 Personal Finance 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-2410 Human Resource Management 3 credits
- BUS-2280 Introduction to Business Ethics 3 credits
- BUS-3131 Business Law I 3 credits
- BUS-3250 Organizational Behavior & Management 3 credits
- BUS-4720 Senior Seminar 3 credits
- ECO-2020 Macroeconomics 3 credits
- ECO-2030 Microeconomics 3 credits

Total for Core: 38 credits

Business students are strongly encouraged to take MAT-2030 Probability & Statistics and MAT-1221 Finite Mathematics to satisfy their core curriculum mathematics requirements.

Marketing Concentration

This program provides students with essential business skills and marketing know-how for professional success in today's global business environment. Students will conduct and analyze market research, develop marketing plans and examine how businesses and organizations respond to marketing challenges. In the process, students will develop team-

working and presentation skills, the ability to plan in advance and think strategically, and the knowledge and skills to use social media and the Web to build both a brand and a base of loyal customers.

Supported by a diverse liberal arts curriculum, students will gain a solid foundation in communications, critical thinking, problem solving, decision-making and creativity that forms the basis for success in this high-demand field. A marketing-related internship with a JSC business partner or other organization rounds out the program.

- BUS-3050 Principles of Sales 3 credits
- BUS-3210 Advertising 3 credits
- BUS-4030 Marketing Research 3 credits
- BUS-4810 Internship in Business Management 1-12 credits (6 credits)
- CIS-2220 Website Design 3 credits

Total for Concentration: 18 credits

Total Core and Concentration Credits: 56 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Business: Sport Management (B.A.)

Bachelor of Arts in Business

The business major is designed to provide students with the skills, knowledge and wisdom necessary to run their own business, be successful in an organization of their choosing and be prepared for graduate study. The student's education in this major comes from both the classroom and real-world experiences, including on-site internships in the field. Specifically, the degree focuses on planning, in reference to products and service; organizational structure; leadership, human resource management, marketing and financial management.

Learning Outcomes for Business Majors

The faculty of the Business & Economics Department have identified five learning outcomes that should be developed and mastered by the time students graduate. Business management graduates will:

1. Successfully apply classroom knowledge to real-world experiences.
2. Demonstrate industry-appropriate communication skills and the ability to work effectively with diverse groups in a team environment.
3. Demonstrate the ability to adapt themselves to a changing business environment while encouraging others to do so as well.
4. Demonstrate the ability to amass, evaluate and interpret complex information to make effective business decisions.
5. Demonstrate the appropriate business norms and ethics, and mastery of the fundamental skills and knowledge required to successfully steward a business operation.

Business Requirements

Required Core Courses

- ACC-2121 Financial Accounting 4 credits
- ACC-2122 Managerial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2140 Personal Finance 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-2410 Human Resource Management 3 credits
- BUS-2280 Introduction to Business Ethics 3 credits
- BUS-3131 Business Law I 3 credits
- BUS-3250 Organizational Behavior & Management 3 credits
- BUS-4720 Senior Seminar 3 credits
- ECO-2020 Macroeconomics 3 credits
- ECO-2030 Microeconomics 3 credits

Total for Core: 38 credits

Business students are strongly encouraged to take MAT-2030 Probability & Statistics and MAT-1221 Finite Mathematics to satisfy their core curriculum mathematics requirements.

Sport Management Concentration

This program recognizes that sports today is as much about marketing events and refining a brand as it is about working with players and scheduling events - and that strong business skills are essential for successful careers in the growing field of sport management. Students supplement a solid core of business courses with courses specifically related to the business side of sports. The program requires an internship and 18 credits beyond the 38 credit hours required for the core business major. Graduates hold a B.A. degree in business with a concentration in sport management. Career opportunities range from managing professional teams and arenas to overseeing the marketing and finances of sports groups.

- AHS-4030 Psychology of Sports & Exercise 3 credits
- BUS-3420 Athletic Facility & Event Management 3 credits
- BUS-3430 Sport & Society 3 credits
- BUS-4320 Sport Promotion & Branding 3 credits
- BUS-4810 Internship in Business Management 1-12 credits (6 credits)

Total for Concentration: 18 credits

Total Core and Concentration Credits: 56 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Childhood Education (B.A.); to teach Elementary & Special Education

The B.A. in Childhood Education prepares students to become K-6 teachers licensed in both Elementary Education and Special Education. With careful planning, a full-time student can complete the degree and earn both licensure endorsements in just four years. Graduates who successfully complete the degree become candidates for a Level I Professional Educator's License issued by the Vermont Agency of Education. This license is required in order to work as a public school teacher in Vermont; it also is recognized and accepted by more than 40 other states, districts and territories.

Through courses and practicum experiences, students learn the theories, research, standards and practices that provide a solid foundation for educators who are passionate about teaching, inclusive and progressive in their practices, modern and up to date in their techniques, and committed to social equity and the delivery of education to diverse learners. Careful attention is given to the growth of children as individuals whose perceptions, interests, joys, strengths and challenges are formed within a community and through meaningful engagement with others.

Students who intend to teach in grades K-6 must declare Childhood Education as their academic major and apply to JSC's **Teacher Education Program in Inclusive Elementary Education** after completing their first education course. *Important:* Declaring a major in Childhood Education is not the same as being accepted into this Teacher Education Program; see Applying to a Teacher Education Program at JSC below.

Most courses must be taken in a specific order; students should check advisement forms, program evaluations and prerequisites for details. Students must earn a B- or better in all courses marked with an asterisk (*). Each Teacher Education Workshop (TEW) is graded as Pass/No Pass.

Theoretical Framework & Learning Pursuits

Applying to a Teacher Education Program at JSC

Advancing through a Teacher Education Program at JSC

1. Required Childhood Education Courses

- EDU-2365 The Ecology of Human Experience: Development, Culture & Identity 3 credits *
- EDU-2370 The Contemporary School 3 credits *
- EDU-3125 Technology for Integrating Instruction 3 credits *
- EDU-3265 Instructional Dynamics for the Elementary Educator - Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Lessons; Part I: Language, Literacy, & Literature for Diverse Learners 3 credits * (spring)
- EDU-3266 Instructional Dynamics for the Elementary Educator - Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Lessons; Part II: Numeracy & Quantitative Reasoning for Diverse Learners 3 credits * (fall)
- EDU-3311 Foundations of Inclusive Practices 3 credits *
- EDU-3440 Teaching Toward Democracy 3 credits *
- EDU-4368 Classroom Strategies Practicum 3 credits *
- EDU-4630 Integrated Elementary Methods Practicum: Intention, Knowledge & Presence 9 credits *
- EDU-4650 Capstone & Thesis Seminar 3 credits *
- EDU-4820 Elementary Student Teaching II 12 credits *

Total: 48 credits

2. Required Education Courses

Complete the courses for the B.A. in Childhood Education plus the courses listed below. Check advisement forms, Program Evaluation and prerequisites for proper sequence. This course list is subject to change. Students must earn a B- or better in all courses marked with an asterisk (*). Each Teacher Education Workshop (TEW) is graded as Pass/No Pass.

- EDU-TEW1 Teacher Education Workshop 1: Introduction to Teacher Education 0 credits
- EDU-TEW2 Teacher Education Workshop 2: Application for Practicum I 0 credits
- EDU-TEW3 Teacher Education Workshop 3: Application for Practicum II 0 credits
- EDU-TEW4 Teacher Education Workshop 4: Application for student teaching 0 credits
- EDU-TEW5 Teacher Education Workshop 5: Application for a Verification Check 0 credits
- EDU-2360 Perspectives on Learning in a Diverse Society 3 credits *
- EDU-3032 Language, Culture, Literature, & Education 3 credits *
- EDU-3100 Literacy Intervention, Assessment & Strategies 3 credits *

Total: 9 credits

3. Required Inclusive Education Courses

In addition to the major in Childhood Education and the courses for the ELED Program, complete the courses below for the Inclusive ELED Program, which provides eligibility for an endorsement in Special Education, K-6, in addition to the Elementary Education endorsement. Students must earn a B- or better in all courses marked with an asterisk (*).

- EDU-3025 Evaluating Characteristics of Diverse Learners 3 credits *
- EDU-3300 Introduction to Classroom Management 1 credits (3 credits) *
- EDU-4051 Strategies to Promote Inclusive Practices 3 credits *
- EDU-4640 Special Education Practices & Procedures 3 credits *

Total: 12 credits

4. Required Arts & Sciences Background Components

Students must demonstrate competence in the following nine liberal arts and sciences areas. **Through careful selection, courses chosen to meet this requirement also may meet JSC General Education requirements.** Students should consult with their advisor and submit their course plan to the Inclusive Elementary Education Program Director for approval.

1. Composition Jump to this requirement.
2. Quantitative Skills Jump to this requirement.
3. Literature Jump to this requirement.
4. Historical Thinking & Citizenship Jump to this requirement.
5. Artistic Expression Jump to this requirement.
6. Scientific Thinking Jump to this requirement.
7. Diversity Studies Jump to this requirement.
8. Identity Studies Jump to this requirement.
9. Interdisciplinary Studies Jump to this requirement.

Composition Components (A & B)

Complete two requirements that demonstrate you understand the composing processes that writers use, the planning strategies most appropriate for particular kinds of writing, the dimensions of quality writing across various types of writing and the conventions of written English.

- **On-campus students** should complete (A) ENG-1072 Exposition & Analysis and (B) the Writing Proficiency Exam (ENG-3999) or ENG-2005 The Self-Sufficient Writer.
- **EDP students** should complete ENG-1220 Rhetorical Expression, or pass EDP-3999, Challenge Exam for ENG-1220.
 - Composition A: 3 credits
 - Composition B: 3 credits

Quantitative Skills Components (A & B)

- **Quantitative Skills A:** Complete coursework that demonstrates you understand numbers and operations, algebra and functions, geometry and measurement. For example, select from MAT-1020, MAT-1080, MAT-1320, MAT-1531 or an equivalent course approved by your program director.
- **Quantitative Skills B:** Complete coursework that demonstrates you understand data analysis, statistics and probability. For example, take MAT-2030 Probability & Statistics or an equivalent course approved by your program director. (Note: MAT-2030 is a prerequisite for EDU-3266, a required core course.)
 - Quantitative Skills A: 3 credits
 - Quantitative Skills B: 3 credits

Literature Components (A & B)

- **Literature A:** Complete coursework that demonstrates you understand a wide variety of quality literature across genres, eras, cultures and subcultures, and literary elements and strategies for textual analysis. For example, select from ENG-1310, ENG-2171, ENG-2172, ENG-2321, ENG-2322 or an equivalent course approved by your program director.
- **Literature B:** Complete coursework that demonstrates you understand age-appropriate literature (PreK-Adolescence) and non-print media in multimodal formats (i.e., film, video, digital, graphic) across genres, eras, cultures and subcultures, with emphasis on multicultural literature, and literary elements and strategies for textual analysis of youth literature. This component is satisfied through EDU-3032 Language, Culture, Literature, & Education, which is a required course in this teacher-education program, or you may take an equivalent course approved by your program director.
 - Literature A: 3 credits
 - Literature B: 3 credits

Historical Thinking & Citizenship Component

Complete coursework that demonstrates you understand historical thinking and citizenship through study of American history, world history, American government or political science. For example, take HIS-1111, HIS-1112, HIS-1211, HIS-1212, POS-1010, POS-1020, or an equivalent course approved by your program director.

- Historical Thinking: 3 credits

Artistic Expression Component

Complete coursework that demonstrates you understand music, drama and the visual arts as expressions of human emotion and culture and as powerful forms of communication. For example, take ART-1011, ART-1140, ART-2110, ART-2251, ART-2301, ARH-2010, ARH-2060, DAN-1010, MUS-1015, MUS-1030, THA-1041 or an equivalent course approved by your program director.

- Artistic Expression: 3 credits

Scientific Thinking Components (A & B)

- **Scientific Thinking A:** Complete coursework that demonstrates you understand scientific thinking, the scientific-inquiry process, life sciences or physical sciences, and living and non-living systems. This component must include a 4-credit lab course. For example, take BIO-1210, BIO-1211, BIO-1212 or an equivalent 4-credit life or physical science course with a formal lab.
- **Scientific Thinking B:** Complete coursework that demonstrates you understand scientific thinking, the scientific-inquiry process, Earth, environmental and atmospheric sciences, and living and non-living systems. For example, take ENV-1040, ENV-1050, BIO-3270 or an equivalent 3- or 4-credit Earth, environmental or atmospheric science course approved by your program director.
 - Scientific Thinking A: 4 credits (must include a formal lab or field study)
 - Scientific Thinking B: 3-4 credits

Diversity Studies Component

Complete coursework that demonstrates you understand how diversity and unity transact through culture across geographic regions. This component is satisfied through EDU-2365 The Ecology of Human Experience: Development, Culture & Identity, which is a required course in this major, or you may take an equivalent course approved by your program director.

- Diversity Studies: 3 credits

Identity Studies Component

Complete coursework that demonstrates you understand the humanistic quest for identity and interdependence. This component is satisfied through EDU-2360 Perspectives on Learning in a Diverse Society, which is a required course in this major, or you may take an equivalent course approved by your program director.

- Identity Studies: 3 credits

Interdisciplinary Studies Component

Complete coursework that demonstrates you understand how academic study can explore themes and concepts across disciplines as well as issues in our lives and in the wider world. For example, take any First-Year Seminar or designated General Education interdisciplinary course or an equivalent course approved by your program director.

- Interdisciplinary Studies: 3 credits

5. Required Second Major or Concentration

With the assistance of their advisor and the Inclusive Elementary Education Program Director, students are to select and complete one of the following as a second major or concentration. (Each concentration comprises 30 credits.)

Students who choose a second major will have an advisor from the department which the major is housed.. Students must earn an overall GPA of B- or better in the major or concentration.

Choices for a Second Major

- Anthropology & Sociology (B.A.)
- Art (B.A.)
- Biology: Field Naturalist (B.A.)
- Biology: General (B.S.)
- Biology: Pre-Medical (B.S.)
- English (B.A.)
- Environmental Science: Environmental Analysis & Assessment (B.S.)
- Environmental Science: Environmental Policy & Advocacy (B.S.)
- General Studies (A.A.)
- Health Sciences: Health & Exercise Science (B.S.)
- Health Sciences: Physical Education (B.S.)
- Health Sciences: Pre-Physical Therapy (B.S.)
- History (B.A.)
- Music: Composition (B.A.)
- Music: Creative Pathways (B.A.)
- Music: Instrumental Performance, Classical (B.A.)
- Music: Instrumental Performance, Jazz/Contemporary (B.A.)
- Music: Sound Engineering (B.A.)
- Music: Vocal Performance, Classical (B.A.)
- Music: Vocal Performance, Jazz/Contemporary (B.A.)
- Political Science (B.A.)
- Psychology (B.A.)
- Theater & Drama (B.A.)

Choices for a 30-Credit Concentration

- Anthropology/Sociology Concentration, Childhood Ed.
- Art Concentration, Childhood Ed.
- Biology Concentration, Childhood Ed.
- English Concentration, Childhood Ed.
- Environmental Science Concentration, Childhood Ed.
- Health Sciences Concentration, Childhood Ed.
- History Concentration, Childhood Ed.
- Mathematics Concentration, Childhood Ed.
- Music Concentration, Childhood Ed.
- Political Science Concentration, Childhood Ed.
- Psychology Concentration, Childhood Ed.
- Theater Concentration, Childhood Ed.

Important:

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Communication & Community Media: Photojournalism (B.A.)

Bachelor of Arts in Communication & Community Media

This interdisciplinary communications degree program consists of three concentrations - Print and Web Community Journalism, Photojournalism, and Public Relations - sharing a common core of eight courses. It is designed to prepare students for careers in media communications, journalism and photojournalism in both print and web-based media.

Learning Outcomes for Communication & Community Media Majors

1. Students will understand and apply best practices in community journalism, public relations and photojournalism.
2. Students will understand and apply ethical principles to their communications work.
3. Students will gain competency in a variety of media platforms applicable to both print and web.
4. Students will achieve proficiency in journalistic processes, including interviewing techniques, research, story structure, AP style and writing concisely, clearly and accurately,
5. Students will understand the strengths and limitations of social media and apply that knowledge professionally.
6. Students will learn to work under the pressure of constant deadlines.
7. Students will understand current mass media theories as they apply to their concentration.

Communication & Community Media (CCM) Requirements

Required Core Courses

- ENG-2051 Introduction to Newswriting 3 credits
- ENG-2052 Newspaper Publishing: Writing, Editing, Layout & Design 3 credits
- ENG-3020 Feature Writing 3 credits
- ENG-4010 Issues in Journalism 3 credits
- SOC-3130 Mass Media & Society 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- CIS-2220 Website Design 3 credits
- ART-4025 Advanced Digital Media: Documentary & Social Media 3 credits

Subtotal: 24 credits

Note: Students must complete the core courses above and one or more of the three concentrations.

Photojournalism Concentration

This concentration prepares students for careers in photojournalism. Beginning with a background in basic journalistic practices and digital media, students then apply those skills to the particular demands of compelling visual

documentation and narrative. Students learn essential photographic skills from the basics of composition, lighting and depth of field to advanced applications in both traditional and digital darkrooms. The concentration also offers a broad historical perspective on photojournalism as well as appreciation for the ethical concerns of mass media in general and this visual medium in particular.

Required Courses in addition to core CCM courses

- ENG-1260 Introduction to Photojournalism 3 credits
- ENG-3022 Advanced Newspaper Publishing: Writing, Editing, Layout & Design 3 credits
- ART-2301 Photography I 3 credits
- ART-2430 Introduction to Video Production 3 credits
- ART-4020 Advanced Digital Media 3 credits
- ART-4040 Advanced Photography 3 credits
- ART-4140 Advanced Photojournalism 3 credits
- ART-4810 Internship in Art 1-12 credits (3 credits)

Total: 48 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Communication & Community Media: Print & Web Community Journalism (B.A.)

Bachelor of Arts in Communication & Community Media

This interdisciplinary communications degree program consists of three concentrations - Print and Web Community Journalism, Photojournalism, and Public Relations - sharing a common core of eight courses. It is designed to prepare students for careers in media communications, journalism and photojournalism in both print and web-based media.

Learning Outcomes for Communication & Community Media Majors

1. Students will understand and apply best practices in community journalism, public relations and photojournalism.
2. Students will understand and apply ethical principles to their communications work.
3. Students will gain competency in a variety of media platforms applicable to both print and web.
4. Students will achieve proficiency in journalistic processes, including interviewing techniques, research, story structure, AP style and writing concisely, clearly and accurately,
5. Students will understand the strengths and limitations of social media and apply that knowledge professionally.
6. Students will learn to work under the pressure of constant deadlines.
7. Students will understand current mass media theories as they apply to their concentration.

Communication & Community Media (CCM) Requirements

Required Core Courses

- ENG-2051 Introduction to Newswriting 3 credits
- ENG-2052 Newspaper Publishing: Writing, Editing, Layout & Design 3 credits
- ENG-3020 Feature Writing 3 credits
- ENG-4010 Issues in Journalism 3 credits
- SOC-3130 Mass Media & Society 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- CIS-2220 Website Design 3 credits
- ART-4025 Advanced Digital Media: Documentary & Social Media 3 credits

Subtotal: 24 credits

Note: Students must complete the core courses above and one or more of the three concentrations.

Print & Web Community Journalism Concentration

This concentration prepares students for the realities of a career in journalism and equips them with the necessary skills to function successfully in a professional environment in both print and web media organizations. Course requirements center journalism in the liberal arts and enable students to employ the best journalistic practices to be able to write in a variety of styles -- including hard news, reportage, editorials, features, profiles and reviews. The concentration enables students to understand and apply basic ethical principles to their work in journalism and to properly understand the role, rights and responsibilities of a free press in a democratic society.

Required Courses in addition to core CCM courses

- ENG-3022 Advanced Newspaper Publishing: Writing, Editing, Layout & Design 3 credits (6 credits)
(take at least two times)
- ENG-4160 Investigative Journalism 3 credits
- ENG-4130 The Form & Theory of Nonfiction 3 credits
- ENG-2XXX Take two 2000-level literature survey courses 6 credits

- HIS-1212 American History II 3 credits **OR**
- POS-1020 American Politics & Government 3 credits

- ENG-4810 Internship 3 credits

Total: 48 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Communication & Community Media: Public Relations (B.A.)

Bachelor of Arts in Communication & Community Media

This interdisciplinary communications degree program consists of three concentrations - Print and Web Community Journalism, Photojournalism, and Public Relations - sharing a common core of eight courses. It is designed to prepare students for careers in media communications, journalism and photojournalism in both print and web-based media.

Learning Outcomes for Communication & Community Media Majors

1. Students will understand and apply best practices in community journalism, public relations and photojournalism.
2. Students will understand and apply ethical principles to their communications work.
3. Students will gain competency in a variety of media platforms applicable to both print and web.
4. Students will achieve proficiency in journalistic processes, including interviewing techniques, research, story structure, AP style and writing concisely, clearly and accurately,
5. Students will understand the strengths and limitations of social media and apply that knowledge professionally.
6. Students will learn to work under the pressure of constant deadlines.
7. Students will understand current mass media theories as they apply to their concentration.

Communication & Community Media (CCM) Requirements

Required Core Courses

- ENG-2051 Introduction to Newswriting 3 credits
- ENG-2052 Newspaper Publishing: Writing, Editing, Layout & Design 3 credits
- ENG-3020 Feature Writing 3 credits
- ENG-4010 Issues in Journalism 3 credits
- SOC-3130 Mass Media & Society 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- CIS-2220 Website Design 3 credits
- ART-4025 Advanced Digital Media: Documentary & Social Media 3 credits

Subtotal: 24 credits

Note: Students must complete the core courses above and one or more of the three concentrations.

Public Relations Concentration

This concentration provides students with a comprehensive understanding of public relations practices in contemporary society as they apply to corporate, business, government, political and nonprofit organizations. Students learn to shape and communicate organizational messages through a variety of media strategies and platforms. Students also learn principles of marketing, management, mass communications, advertising and macroeconomics as well as an understanding of best ethical practices.

Required Courses in addition to core CCM courses

- BUS-1340 Social Entrepreneurship 3 credits
- ECO-2020 Macroeconomics 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-3070 Public Relations 3 credits
- BUS-3210 Advertising 3 credits
- BUS-3370 Business Organizational Communications 3 credits
- BUS-4810 Internship in Business Management 1-12 credits (6 credits) (minimum of 240 hours)

Total: 48 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Creative Writing (B.F.A.)

In this program, aspiring writers learn the craft of fiction, poetry and prose nonfiction in literature courses and in writing workshops. Small classes and individualized instruction are key features of this student-centered program. A student and professional reading series and internships with the department's nationally recognized literary magazine, *Green Mountains Review*, complement the academic course work.

Learning Outcomes for Creative Writing Majors

The B.F.A. in creative writing will:

1. Enable students to produce their own poetry, fiction and creative nonfiction and to become proficient readers and interpreters of imaginative literature;
2. Enable students to identify the major genres of literature, to recognize the features of each genre and to explore and evaluate different approaches to literary criticism and interpretation;
3. Develop students' abilities to analyze and explicate literary texts so that they can identify themes and ideas as well as recognize how formal literary devices affect meaning; and
4. Develop students' skills in editing and revising so that they will be prepared for graduate school in creative writing and/or for careers in publishing.

Required Courses

- ENG-1310 Introduction to Literature 3 credits
- ENG-2031 Editing & Publishing: The Literary Magazine 3 credits
- ENG-2101 Creative Writing 3 credits
- ENG-3032 Advanced Editing & Publishing: The Literary Magazine 3 credits
- ENG-3120 Poetry Workshop 3 credits
- ENG-3130 Fiction Workshop 3 credits
- ENG-3140 The Creative Essay 3 credits
- ENG-4920 Senior Thesis 3 credits

Literature Survey Courses (choose 3)

- ENG-2171 World Literature I 3 credits
- ENG-2172 World Literature II 3 credits
- ENG-2281 Survey of English Literature I 3 credits
- ENG-2282 Survey of English Literature II 3 credits
- ENG-2283 Survey of English Literature III 3 credits
- ENG-2321 Survey of American Literature I 3 credits
- ENG-2322 Survey of American Literature II 3 credits
- ENG-2510 Women & Literature 3 credits

Take 2 of the following courses:

- ENG-4110 The Form & Theory of Fiction 3 credits
- ENG-4120 The Form & Theory of Poetry 3 credits
- ENG-4130 The Form & Theory of Nonfiction 3 credits
- ENG-4150 Literary Criticism & Theory 3 credits

Total: 48 credits

Secondary Teaching License in English

Students pursuing licensure endorsement to teach English in grades 7-12 must successfully complete either the B.A. in English or the B.F.A. in Creative Writing as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

English (B.A.)

Students in this program explore literature and language from critical, aesthetic, historical, linguistic and national perspectives. Opportunities to study creative writing and journalism are also components of the program.

Learning Outcomes for English Majors

The B.A. in English will:

1. Enable students to identify the major genres of literature, to recognize the features of each genre and to explore and evaluate different approaches to literary criticism and interpretation.
2. Introduce students to English, American and world literary traditions so that they will learn how literature both reflects and shapes intellectual, aesthetic and cultural life.
3. Develop students' abilities to analyze and explicate literary texts so that they can identify themes and ideas and learn how formal literary devices affect meaning.

4. Prepare students for graduate study, for teaching secondary school English and for careers in the private sector or in government that require critical thinking and reading skills as well as skills in research and discourse analysis.

Required Courses

- ENG-1310 Introduction to Literature 3 credits
- ENG-3565 Shakespeare 3 credits
- ENG-4150 Literary Criticism & Theory 3 credits
- ENG-4510 Literary Research Tutorial 3 credits

Take 3 of the following survey courses:

- ENG-2171 World Literature I 3 credits
- ENG-2172 World Literature II 3 credits
- ENG-2281 Survey of English Literature I 3 credits
- ENG-2282 Survey of English Literature II 3 credits
- ENG-2283 Survey of English Literature III 3 credits
- ENG-2321 Survey of American Literature I 3 credits
- ENG-2322 Survey of American Literature II 3 credits
- ENG-2510 Women & Literature 3 credits

Take 2 of the following writing courses:

- ENG-2051 Introduction to Newswriting 3 credits
- ENG-2101 Creative Writing 3 credits
- ENG-2052 Newspaper Publishing: Writing, Editing, Layout & Design 3 credits
- ENG-3020 Feature Writing 3 credits
- ENG-3140 The Creative Essay 3 credits

Take 4 of the following literature and language courses:

- ENG-3270 Myth & Myth Making 3 credits
- ENG-3320 The English Novel 3 credits
- ENG-3345 Contemporary Canadian Literature 3 credits
- ENG-3380 British Romantic Literature 3 credits
- ENG-3390 Literature of the Grotesque 3 credits
- ENG-3395 Satire in Literature 3 credits
- ENG-3405 Literary Journalism 3 credits
- ENG-3435 Practical Grammar 3 credits
- ENG-3480 Modern Literature 3 credits
- ENG-3510 Contemporary Literature 3 credits
- ENG-3520 American Poetry 3 credits
- ENG-3525 Victorian Literature 3 credits
- ENG-3530 The American Novel 3 credits
- ENG-3580 African American Literature 3 credits

- ENG-3680 Linguistics & Language History 3 credits
- ENG-4110 The Form & Theory of Fiction 3 credits
- ENG-4120 The Form & Theory of Poetry 3 credits
- ENG-4130 The Form & Theory of Nonfiction 3 credits
- ENG-4720 Seminar in Literature 3 credits

Optional:

- ENG-4920 Senior Thesis 3 credits

Total: 39 credits (42 with thesis)

Secondary Teaching License in English

Students pursuing licensure endorsement to teach English in grades 7-12 must successfully complete either the B.A. in English or the B.F.A. in Creative Writing as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Environmental Science: Environmental Analysis & Assessment (B.S.)

Bachelor of Science in Environmental Science

Environmental science is an interdisciplinary field that provides an integrative and quantitative approach to the exploration of the biological, physical and societal aspects that govern the natural environment. The science faculty conduct research and provide instruction in ecology, meteorology, biology, chemistry, physics and geoscience. Lectures, laboratory work, fieldwork, internships and faculty-mentored student research prepare students for careers in private industry, government agencies, or graduate education. The fundamentals of the science frame the discussion for policy decisions and social action. In addition, a 7-12 science education program is available for this major.

There are two concentrations within this major. The Environmental Analysis and Assessment concentration offers students a curriculum that focuses more heavily on laboratory and field courses, and prepares students for more technically orientated positions in the environmental field and for graduate programs in the sciences. The Environmental Policy and Advocacy concentration prepares students for job opportunities in business, education and government, primarily in the management of natural resources and the development of public policy. We recognize the importance and benefits of internships and all of our majors will be encouraged to participate with this type of opportunity.

Learning Outcomes for Environmental Science Majors

The B.S. in Environmental Science, with a concentration in Environmental Analysis and Assessment, seeks to produce graduates who:

- Critically read, evaluate and synthesize information from relevant geological, biological and chemical literature related to environmental problems.
- Work individually and with others, to identify and evaluate environmental problems.
- Apply appropriate tools, analytical equipment and concepts from mathematics, physics, chemistry, geology and biology, including the use of computer software, to evaluate environmental problems.
- Observe and measure in the field and laboratory, the organic, inorganic and physical aspects of environmental problems while applying the methods of science.
- Design a research project to test hypotheses and draw conclusions based on knowledge of the science.
- Articulate, in oral, written and graphical form, assessments of environmental problems.

The B.S. in Environmental Science with a concentration in Environmental Policy and Advocacy, seeks to produce graduates who:

- Critically read, evaluate and synthesize information from relevant geological and biological literature that addresses the complexity of factors relating to human interaction with the environment.
- Work individually and with others, to evaluate the economic, social, ethical and scientific aspects of environmental problems.
- Make observations and construct hypotheses to account for the observation.
- Articulate, in oral, written and graphical form, the causes, scale and relative importance of emergent and persistent environmental problems, environmental change, and sustainable human practices.

Environmental Science Requirements

Required Courses

- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits
- BIO-2340 Fundamentals of Ecology 4 credits
- CHE-1031 General Chemistry I 4 credits
- CHE-1032 General Chemistry II 4 credits
- ENV-1050 Introduction to Earth Science 4 credits
- ENV-1110 Introduction to Environmental Problems 3 credits
- ENV-2210 Current Topics in Science 1 credits (1 of 2)
- ENV-2210 Current Topics in Science 1 credits (2 of 2)

Total: 29 credits

In addition to completing the above required core courses, students must complete the following concentration requirements.

Environmental Analysis & Assessment Concentration

Required Courses

- ENV-4720 Senior Thesis 3 credits **OR**
- ENV-4810 Internship in Environmental Science 1-12 credits (3 credits)

- GEY-3120 Field Geology 4 credits
- MAT-1531 Calculus I 4 credits
- PHY-1041 Physics I 4 credits

Subtotal: 15 credits

Electives

(Choose 3 courses)

- BIO-3280 Environmental Toxicology 4 credits
- CHE-3111 Organic Chemistry I 4 credits
- CHE-3112 Organic Chemistry II 4 credits
- ENV-2910 Independent Study in Environmental Science 1-12 credits (3 credits) **OR**
- ENV-4910 Independent Study in Environmental Science 1-12 credits (3 credits)
- ENV-3130 Environmental Geology 4 credits
- ENV-3240 Fundamentals of Soil Science 4 credits
- ENV-3250 Meteorology & Climatology 4 credits
- ENV-3260 Global Climate Change 3 credits
- ENV-3310 Applications in GIS 4 credits
- ENV-3400 Advanced GIS: Spatial Modeling 4 credits
- GEY-3110 Hydrogeology 4 credits
- PHY-1042 Physics II 4 credits

Subtotal: 10-12 credits

Total Credits for Environmental Analysis & Assessment Concentration: 54-56 credits

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the B.A. in Biology: Field Naturalist, B.S. in Biology: General, B.S. in Biology: Pre-Medical, B.S. in Health Sciences: Physical Education, B.S. in Health Sciences: Pre-Physical Therapy, B.S. in Environmental Science: Analysis & Assessment, or B.S. in Environmental Science: Policy & Advocacy), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Environmental Science: Environmental Policy & Advocacy (B.S.)

Bachelor of Science in Environmental Science

Environmental science is an interdisciplinary field that provides an integrative and quantitative approach to the exploration of the biological, physical and societal aspects that govern the natural environment. The science faculty conduct research and provide instruction in ecology, meteorology, biology, chemistry, physics and geoscience. Lectures, laboratory work, fieldwork, internships and faculty-mentored student research prepare students for careers in private industry, government agencies, or graduate education. The fundamentals of the science frame the discussion for policy decisions and social action. In addition, a 7-12 science education program is available for this major.

There are two concentrations within this major. The Environmental Analysis and Assessment concentration offers students a curriculum that focuses more heavily on laboratory and field courses, and prepares students for more technically orientated positions in the environmental field and for graduate programs in the sciences. The Environmental Policy and Advocacy concentration prepares students for job opportunities in business, education and government, primarily in the management of natural resources and the development of public policy. We recognize the importance and benefits of internships and all of our majors will be encouraged to participate with this type of opportunity.

Learning Outcomes for Environmental Science Majors

The B.S. in Environmental Science, with a concentration in Environmental Analysis and Assessment, seeks to produce graduates who:

- Critically read, evaluate and synthesize information from relevant geological, biological and chemical literature related to environmental problems.
- Work individually and with others, to identify and evaluate environmental problems.
- Apply appropriate tools, analytical equipment and concepts from mathematics, physics, chemistry, geology and biology, including the use of computer software, to evaluate environmental problems.
- Observe and measure in the field and laboratory, the organic, inorganic and physical aspects of environmental problems while applying the methods of science.
- Design a research project to test hypotheses and draw conclusions based on knowledge of the science.
- Articulate, in oral, written and graphical form, assessments of environmental problems.

The B.S. in Environmental Science with a concentration in Environmental Policy and Advocacy, seeks to produce graduates who:

- Critically read, evaluate and synthesize information from relevant geological and biological literature that addresses the complexity of factors relating to human interaction with the environment.
- Work individually and with others, to evaluate the economic, social, ethical and scientific aspects of environmental problems.
- Make observations and construct hypotheses to account for the observation.
- Articulate, in oral, written and graphical form, the causes, scale and relative importance of emergent and persistent environmental problems, environmental change, and sustainable human practices.

Environmental Science Requirements

Required Courses

- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits
- BIO-2340 Fundamentals of Ecology 4 credits
- CHE-1031 General Chemistry I 4 credits
- CHE-1032 General Chemistry II 4 credits
- ENV-1050 Introduction to Earth Science 4 credits
- ENV-1110 Introduction to Environmental Problems 3 credits
- ENV-2210 Current Topics in Science 1 credits (1 of 2)
- ENV-2210 Current Topics in Science 1 credits (2 of 2)

Total: 29 credits

In addition to completing the above required core courses, students must complete the following concentration requirements.

Environmental Policy & Advocacy Concentration

Required Courses

- ECO-2020 Macroeconomics 3 credits
- ENV-3030 Water Resources 3 credits
- ENV-3040 Energy & Mineral Resources 3 credits
- ENV-3250 Meteorology & Climatology 4 credits
- ENV-4730 Senior Seminar 3 credits **OR**
- ENV-4720 Senior Thesis 3 credits
- POS-1020 American Politics & Government 3 credits **OR**
- POS-1010 Introduction to Political Science 3 credits
- POS-3050 Environmental Ethics & Politics 3 credits

Subtotal: 22 credits

Electives

(Choose 2 courses)

- ENV-2910 Independent Study in Environmental Science 1-12 credits (3 credits) **OR**
- ENV-4910 Independent Study in Environmental Science 1-12 credits (3 credits)
- ENV-3010 Land Use Planning 3 credits
- ENV-3020 Environmental Law 3 credits
- ENV-3130 Environmental Geology 4 credits
- ENV-3150 Toxic & Solid Waste Management 3 credits
- ENV-3230 National Parks & Wilderness Management 3 credits
- ENV-3260 Global Climate Change 3 credits

- ENV-3310 Applications in GIS 4 credits
- ENV-3400 Advanced GIS: Spatial Modeling 4 credits
- ENV-4810 Internship in Environmental Science 1-12 credits (3 credits)
- GEY-3120 Field Geology 4 credits

Subtotal: 6-8 credits

Total Credits for Environmental Policy & Advocacy Concentration: 57-59 credits

In addition, students are encouraged but not required to complete an internship. Recent placements have included the Vermont Fish and Wildlife Department, U.S. Soil Conservation Service, U.S. Fish and Wildlife Service, the Vermont Youth Corps, Vermont State Legislature, regional planning commissions and various state and national parks.

Secondary Teaching License in Science

Students pursuing licensure endorsement to teach science in grades 7-12 must successfully complete one of the approved majors for this endorsement (the B.A. in Biology: Field Naturalist, B.S. in Biology: General, B.S. in Biology: Pre-Medical, B.S. in Health Sciences: Physical Education, B.S. in Health Sciences: Pre-Physical Therapy, B.S. in Environmental Science: Analysis & Assessment, or B.S. in Environmental Science: Policy & Advocacy), as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

General Studies (A.A.)

This two-year program exposes students to a range of disciplines and provides a sound educational base for future studies at the bachelor's or professional level.

Required Courses

Sixty credits are needed for the degree. Students in the Associate of Arts (A.A.) in General Studies program must complete the Fundamental Skills and Disciplinary Exploration (taking one course from each of the seven sub-categories) components of the General Education Core Curriculum. The remaining credits are electives chosen from 1000- and 2000-level courses in consultation with an advisor.

Health Sciences: Health & Exercise Science (B.S.)

Bachelor of Science in Health Sciences

The health sciences major is designed for students wishing to pursue careers in health, fitness, physical education and the allied health fields, including physical therapy, chiropractic medicine and physician assistance. The program trains students in the basic sciences, including biology, chemistry, anatomy and physiology; assessment of health status; the disease process; health, fitness and physical education; and cardiac and pulmonary assessment and rehabilitation. The

health sciences program prepares students for a wide variety of career options and, with the current increases in lifestyle-related disease and the growing elderly population, students will be poised to take advantage of new prospects in the health field.

Learning Outcomes for Health Science Majors

The B.S. in the health sciences program seeks to produce graduates who:

- Demonstrate through both speaking and writing an understanding of biological, physical and social sciences related to human movement, sport exercise and contemporary health issues.
- Identify and describe challenges to the natural homeostasis of the body and mind and how they respond to these challenges.
- Apply knowledge related to physical activity, nutrition and other lifestyle behaviors to prevent and control diseases in diverse populations.
- Use both qualitative and quantitative methods to appraise risk factors, health status, fitness and physical skills, and then design safe and effective programs to target these factors in healthy and diseased populations.
- Possess in-depth understanding of the scientific methods and the ability to accurately interpret and apply scientific findings related to the human body, health and disease.
- Demonstrate an ability to apply theoretical knowledge, research skills, use of technology and professionally appropriate and ethical behaviors in workplace settings.

Health Sciences Requirements

Required Core Courses

- AHS-1010 Contemporary Health Issues 3 credits
- AHS-3120 Kinesiology 3 credits
- AHS-3230 Physiology of Exercise 4 credits
- AHS-4030 Psychology of Sports & Exercise 3 credits
- BIO-2011 Human Anatomy & Physiology I 4 credits
- BIO-2012 Human Anatomy & Physiology II 4 credits
- PSY-1010 Introduction to Psychology 3 credits *

Subtotal: 24 credits

*Fulfills GEC-SHP

The Health Science Programs offers three concentrations: Health & Exercise Science, Physical Education with or without licensure, and Pre-Physical Therapy. Students majoring in health sciences must complete at least one of these concentrations.

Health & Exercise Science Concentration

Additional Outcomes for the Health & Exercise Concentration

- Possess the knowledge and skills necessary for careers in clinical/medical settings, personal training, strength and conditioning, corporate health/wellness, community health education and health/wellness consulting.
- Are well-prepared for graduate programs in kinesiology, exercise science, public health, athletic training and related disciplines.

Health & Exercise Science Concentration Requirements

- AHS-1XXX First Aid/CPR/AED (under development) 1 credits
- AHS-2130 Strength & Conditioning 3 credits
- AHS-2XXX Health Sciences Seminar (under development) 1 credits
- AHS-4060 Cardiopulmonary Assessment, Rehabilitation & Training 4 credits
- AHS-4110 Psychophysiology of Stress 3 credits
- AHS-4810 Internship in Allied Health Science 1-12 credits (3 credits) **OR**
- AHS-4911 Senior Research 3 credits
- BIO-1210 Introduction to Biology 4 credits * **OR**
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits *
- BIO-3180 Nutrition 3 credits
- CHE-1031 General Chemistry I 4 credits *
- ENV-2210 Current Topics in Science 1 credits (students must complete two semester at 1 cr. each)

Subtotal: 27 credits

*Fulfills GEC-FD-NS

Electives for Health & Exercise Science Concentration

In addition to completing the Health Science core program and the health and exercise science concentration requirements above, each student must choose 6-8 credits from the following courses.

- AHS-1080 Lifetime Fitness 1 credits
- AHS-3043 Care & Prevention of Athletic Injuries 4 credits
- AHS-3050 Introduction to Pharmacology 3 credits
- BIO-3125 Biological Chemistry 4 credits (offered every 3 years)
- BIO-3130 Cellular Biology: A Molecular Approach 4 credits (offered every 3 years)
- BIO-3140 Microbiology 4 credits (offered every 3 years)
- CHE-1032 General Chemistry II 4 credits
- CHE-3111 Organic Chemistry I 4 credits
- PHY-1041 Physics I 4 credits *
- PHY-1042 Physics II 4 credits
- PSY-2070 Developmental Psychology 3 credits
- PSY-3065 Abnormal Behavior 3 credits
- AHS-4025 Health Behavior: Change & Adherence 3 credits

Total: 58-60 credits

*Fulfills GEC-FD-NS

Note: Students interested in pursuing medical school following completion of their bachelor's degree should take these standard prerequisite courses: BIO-1211 Introduction to Biology: Ecology & Evolution; BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life; CHE-1031 General Chemistry I; CHE-1032 General Chemistry II; CHE-3111 Organic Chemistry I; CHE-3112 Organic Chemistry II; PHY-1041 Physics I; PHY-1042 Physics II. Required or suggested by some medical schools are the following courses: BIO-3125 Biological Chemistry; BIO-3220 Genetics; MAT-1531 Calculus I; MAT-2532 Calculus II.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Health Sciences: Physical Education (B.S.)

Bachelor of Science in Health Sciences

The health sciences major is designed for students wishing to pursue careers in health, fitness, physical education and the allied health fields, including physical therapy, chiropractic medicine and physician assistance. The program trains students in the basic sciences, including biology, chemistry, anatomy and physiology; assessment of health status; the disease process; health, fitness and physical education; and cardiac and pulmonary assessment and rehabilitation. The health sciences program prepares students for a wide variety of career options and, with the current increases in lifestyle-related disease and the growing elderly population, students will be poised to take advantage of new prospects in the health field.

Learning Outcomes for Health Science Majors

The B.S. in the health sciences program seeks to produce graduates who:

- Demonstrate through both speaking and writing an understanding of biological, physical and social sciences related to human movement, sport exercise and contemporary health issues.
- Identify and describe challenges to the natural homeostasis of the body and mind and how they respond to these challenges.
- Apply knowledge related to physical activity, nutrition and other lifestyle behaviors to prevent and control diseases in diverse populations.
- Use both qualitative and quantitative methods to appraise risk factors, health status, fitness and physical skills, and then design safe and effective programs to target these factors in healthy and diseased populations.
- Possess in-depth understanding of the scientific methods and the ability to accurately interpret and apply scientific findings related to the human body, health and disease.
- Demonstrate an ability to apply theoretical knowledge, research skills, use of technology and professionally appropriate and ethical behaviors in workplace settings.

Health Sciences Requirements

Required Core Courses

- AHS-1010 Contemporary Health Issues 3 credits

- AHS-3120 Kinesiology 3 credits
- AHS-3230 Physiology of Exercise 4 credits
- AHS-4030 Psychology of Sports & Exercise 3 credits
- BIO-2011 Human Anatomy & Physiology I 4 credits
- BIO-2012 Human Anatomy & Physiology II 4 credits
- PSY-1010 Introduction to Psychology 3 credits *

Subtotal: 24 credits

*Fulfills GEC-SHP

The Health Science Programs offers three concentrations: Health & Exercise Science, Physical Education with or without licensure, and Pre-Physical Therapy. Students majoring in health sciences must complete at least one of these concentrations.

Physical Education Concentration

Additional Outcomes for the Physical Education Concentration

- Possess the knowledge and skills necessary to:
- Develop and deliver standards-based curriculum units and lessons for PreK-12 physical education, as well as assess and evaluate student learning, instruction and the curriculum itself.
- Establish an effective learning environment that is engaging, inclusive and recognizes cultural and learning diversity.

Students must complete the B.S. in Health Sciences core program requirements above and the physical education concentration elective requirements.

Physical Education Concentration Requirements

- AHS-2040 Advanced First Aid & Emergency Care 4 credits
- AHS-2130 Strength & Conditioning 3 credits
- DAN-1010 Fundamentals of Dance 3 credits
- OER-2140 Ropes Course Leadership 2 credits
- PED-1150 Foundations of Physical Education 3 credits
- PED-2040 Team Sports 2 credits
- PED-2110 Individual, Dual & Lifetime Activities 2 credits
- PED-3120 Measurement & Evaluation 3 credits

Subtotal: 22 credits

Electives for Physical Education Concentration

Choose one of the following:

- AHS-3043 Care & Prevention of Athletic Injuries 4 credits

- AHS-4110 Psychophysiology of Stress 3 credits
- BIO-3180 Nutrition 3 credits
- OER-3010 Learning in the Outdoors 4 credits
- AHS-4025 Health Behavior: Change & Adherence 3 credits

Subtotal: 3-4 credits

Total: 49-50 credits

Physical Education Teaching Endorsement

Students pursuing teacher licensure in physical education must complete the Health Sciences core, the physical education concentration elective requirements, and the following:

- PED-3070 Methods of Teaching Elementary Physical Education 4 credits
- PED-3140 Methods of Teaching Secondary School Physical Education 4 credits

Note:

In addition, students pursuing licensure students must also complete all EDU Teacher Education core requirements (EDU TEW1, EDU TEW2, EDU TEW3, EDU TEW4 and EDU TEW5 and EDU 2360, EDU 2365, EDU 3112 EDU 3311, EDU 3440, EDU 4310, EDU 4385 and EDU 4650) unified arts education program coursework, and unified arts education endorsement-specific coursework referenced in the Education Department section of this catalog.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Health Sciences: Pre-Physical Therapy (B.S.)

Bachelor of Science in Health Sciences

The health sciences major is designed for students wishing to pursue careers in health, fitness, physical education and the allied health fields, including physical therapy, chiropractic medicine and physician assistance. The program trains students in the basic sciences, including biology, chemistry, anatomy and physiology; assessment of health status; the disease process; health, fitness and physical education; and cardiac and pulmonary assessment and rehabilitation. The health sciences program prepares students for a wide variety of career options and, with the current increases in lifestyle-related disease and the growing elderly population, students will be poised to take advantage of new prospects in the health field.

Learning Outcomes for Health Science Majors

The B.S. in the health sciences program seeks to produce graduates who:

- Demonstrate through both speaking and writing an understanding of biological, physical and social sciences related to human movement, sport exercise and contemporary health issues.

- Identify and describe challenges to the natural homeostasis of the body and mind and how they respond to these challenges.
- Apply knowledge related to physical activity, nutrition and other lifestyle behaviors to prevent and control diseases in diverse populations.
- Use both qualitative and quantitative methods to appraise risk factors, health status, fitness and physical skills, and then design safe and effective programs to target these factors in healthy and diseased populations.
- Possess in-depth understanding of the scientific methods and the ability to accurately interpret and apply scientific findings related to the human body, health and disease.
- Demonstrate an ability to apply theoretical knowledge, research skills, use of technology and professionally appropriate and ethical behaviors in workplace settings.

Health Sciences Requirements

Required Core Courses

- AHS-1010 Contemporary Health Issues 3 credits
- AHS-3120 Kinesiology 3 credits
- AHS-3230 Physiology of Exercise 4 credits
- AHS-4030 Psychology of Sports & Exercise 3 credits
- BIO-2011 Human Anatomy & Physiology I 4 credits
- BIO-2012 Human Anatomy & Physiology II 4 credits
- PSY-1010 Introduction to Psychology 3 credits *

Subtotal: 24 credits

*Fulfills GEC-SHP

The Health Science Programs offers three concentrations: Health & Exercise Science, Physical Education with or without licensure, and Pre-Physical Therapy. Students majoring in health sciences must complete at least one of these concentrations.

Pre-Physical Therapy Concentration

Additional Outcome for the Pre-Physical Therapy Concentration

- Possess the knowledge and skills necessary for entry into graduate programs in physical therapy, chiropractic medicine, physician's assistant and related allied health disciplines.

Students must complete the B.S. in Health Sciences core program requirements above and the pre-physical therapy concentration requirements listed below.

Pre-Physical Therapy Concentration Requirements

- AHS-2XXX Health Sciences Seminar (under development) 3 credits
- AHS-4060 Cardiopulmonary Assessment, Rehabilitation & Training 4 credits

- AHS-4810 Internship in Allied Health Science 1-12 credits (3 credits) **OR**
- AHS-4911 Senior Research 3 credits
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits *
- CHE-1031 General Chemistry I 4 credits *
- CHE-1032 General Chemistry II 4 credits
- ENV-2210 Current Topics in Science 1 credits
- MAT-2030 Probability & Statistics 3 credits *
- PHY-1041 Physics I 4 credits *
- PHY-1042 Physics II 4 credits

Subtotal: 33 credits

*Fulfills GEC-FD-NS

Electives

(choose 6-8 credits from the following courses. At least 3 credits must be from an AHS designated course or BIO 3180.)

- AHS-2130 Strength & Conditioning 3 credits
- AHS-3043 Care & Prevention of Athletic Injuries 4 credits
- AHS-3050 Introduction to Pharmacology 3 credits
- AHS-4110 Psychophysiology of Stress 3 credits
- BIO-3125 Biological Chemistry 4 credits
- BIO-3130 Cellular Biology: A Molecular Approach 4 credits
- BIO-3140 Microbiology 4 credits
- BIO-3180 Nutrition 3 credits
- CHE-3111 Organic Chemistry I 4 credits
- PSY-2070 Developmental Psychology 3 credits
- PSY-3065 Abnormal Behavior 3 credits
- AHS-4025 Health Behavior: Change & Adherence 3 credits

Total: 63-65 credits

Important Notes: Some graduate programs may have admission requirements that are not included in this program of study (e.g., see below). Electives should be identified early in the degree program and in discussion with an advisor about academic and career goals.

Doctor of Physical Therapy (DPT) programs sometimes require the following additional prerequisites: One additional psychology course (PSY-2070 or PSY-3065 (recommended)); One additional 4-credit introductory biology course (i.e., take BIO-1212 AND BIO-1210 or BIO-1212).

Doctor of Chiropractic programs often require the following additional prerequisite: CHE-3111 Organic Chemistry I

Physician's Assistant (PA) graduate programs often require the following prerequisites: Two semesters of 4-credit advanced biology (3000- or 4000-level). Replacement of PHY-1041 Physics I and PHY-1042 Physics II with these courses is recommended for those interested in PA programs.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

History (B.A.)

History is recognized as a field central to the liberal arts tradition. Its study of the variety and diversity of human experience through time is vital to developing an educated perspective on the world today.

A history major is an appropriate and useful one for students planning to enter the fields of teaching, public service, museum work, historical preservation and law, as well as those intending to study at the graduate level.

Learning Outcomes for History Majors

Each graduate will:

1. Have a general knowledge of the human past and geographical literacy, including events, ideas and individuals that have shaped the world through time.
2. Have an understanding of the economic, political, social, cultural and religious historical forces and the complexity of events that reflect the diversity of human experience.
3. Have specific regional and temporal knowledge of "Western" and "non-Western" cultures.
4. Be competent in locating, evaluating, synthesizing and analyzing historical evidence from primary sources and/or documents.
5. Be capable of understanding, defending, critiquing and developing historical interpretations.
6. Successfully communicate, in oral and written form, his or her findings and interpretations, using proper documentations and scholarly conventions.

Required Courses

Category I

- HIS-1111 World History I 3 credits
- HIS-1112 World History II 3 credits
- HIS-1211 American History I 3 credits
- HIS-1212 American History II 3 credits
- HIS-4730 Seminar in Historical Communication 3 credits
- HIS-4740 Seminar in Historical Investigation 3 credits

Subtotal: 18 credits

Electives

Take eight upper-level elective courses from Categories II and III below. Electives must include at least two courses from Category II and a minimum of 5 must be HIS designated.

Category II

- HIS-3040 Ancient Civilizations of the New World 3 credits

- HIS-3225 Latin America: Mexico to Chile; History, Politics, Cultures 3 credits
- HIS-3510 Chinese History & Culture 3 credits
- HIS-3520 Japanese History & Culture 3 credits
- HIS-4010 History of the Middle East 3 credits
- HUM-3110 Native American History & Culture 3 credits
- HUM-3120 The Abenaki & Their Neighbors 3 credits
- HUM-3150 People & Cultures of the Middle East & North Africa 3 credits
- HUM-3160 African Culture 3 credits

Category III

- HIS-3020 Greek & Roman History 3 credits
- HIS-3050 Community in America 3 credits (offered through the JSC External Degree Program)
- HIS-3060 Church & State in America 3 credits (offered through the JSC External Degree Program)
- HIS-3080 Colonial America: History & Life 3 credits
- HIS-3090 Modern German History 3 credits
- HIS-3141 History of the United States in the 20th Century I 3 credits
- HIS-3142 History of the United States in the 20th Century II 3 credits
- HIS-3160 Vermont's Coastal Regions 3 credits (offered through the JSC External Degree Program)
- HIS-3165 Vermont History 3 credits
- HIS-3270 Renaissance & Reformation 3 credits
- HIS-3311 Europe in the 19th Century 3 credits
- HIS-3312 Europe in the 20th Century 3 credits
- HIS-3350 Struggle for Democracy 3 credits (offered through the JSC External Degree Program)
- HIS-3352 English History Since 1714 3 credits
- HIS-3355 The European Enlightenment 3 credits
- HIS-3370 Nationalism & Rebellion in Irish History 3 credits (offered through the JSC External Degree Program)
- HIS-3420 French Revolution 3 credits
- HIS-3430 History of the Soviet Union 3 credits
- HIS-3450 Women in European History 3 credits
- INT-3210 The Holocaust: An Interdisciplinary Approach 3 credits
- POS-3060 Vermont Politics 3 credits
- POS-4010 American Foreign Policy 3 credits

Subtotal: 24 credits

Total: 42 credits

Secondary Teaching License in Social Studies

Students pursuing licensure endorsement to teach Social Studies in grades 7-12 must successfully complete either the B.A. in History or the B.A. in Political Science, as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Interdisciplinary Studies (B.A.)

The Interdisciplinary Studies major offers students the opportunity and challenge to create their own individually designed interdisciplinary programs. It gives students the tools to explore and understand connections and patterns: within and among disciplines; between self and the world; among different cultures. It seeks to give students knowledge of how great thinkers in various fields have tried to understand experience and use their learning to address problems and engage fully with life.

Learning Outcomes for Interdisciplinary Studies Majors

Students will be able to:	Evidence:
Connect their academic plan to their personal history and long-term goals.	Plan of Study narrative; reflection papers in capstone course.
Articulate a rationale for their three areas of study and justify the selection of courses in each of those areas.	Plan of Study narrative; plan of study.
Understand the nature and value of interdisciplinary study.	Capstone project; discussion and writing assignments in capstone course.
Demonstrate meaningful connections between their chosen areas of study.	Plan of Study narrative; capstone project; final reflection paper in capstone course.
Demonstrate depth of knowledge in the primary and secondary areas of study.	Completion of capstone course; capstone project; 21 upper-level credits in the major.
Experience and articulate meaningful connections between learning in the major and life outside the classroom.	Extended Classroom Experience (ECE); ECE reflection paper; career exploration assignment.

Requirements

Students must successfully complete a total of 42 credits, at least 21 of which must be upper-division, as follows:

- 18 credits in a primary area of study;
- 12 credits in a secondary, supporting area of study;
- 9 credits in a tertiary area of study; and
- 3-credit capstone course: INT-4610 Senior Seminar in Interdisciplinary Studies

- An extended classroom experience, which may be credit or non-credit bearing, must be at least 20 hours in length. It can be completed through an existing course, internship, student teaching or service-learning experience.

Additional Stipulations

- At least 12 of the 42 credits required within the Interdisciplinary Studies major must be taken in the semester(s) after the Plan of Study has been approved.
- Education majors seeking licensure who are using Interdisciplinary Studies as their second major will need to choose their primary and secondary areas of study in a fashion that meets state licensure requirements.
- A grade of C- or higher must be earned in all courses counted toward the 42 credits for the major.
- In general, courses such as Student Teaching in Education, which are specifically aimed at career preparation, are not appropriate for inclusion in the 42 credits for the Interdisciplinary Studies degree.

Becoming an Interdisciplinary Studies Major

A student interested in becoming an Interdisciplinary Studies major on campus will first contact the Advising & Career Center and be assigned an advisor on the Interdisciplinary Studies Committee (ISC). In the case of the External Degree Program (EDP), the student will be assigned an advisor in his or her community upon entering EDP. The student and advisor will initially explore together the student's interests and identify relationships between different disciplines or clusters of disciplines which the student would like to explore more deeply. With the advisor's assistance and support, the student will write a program proposal that describes in detail the relationships between two or more areas of study. Members of the ISC, who may recommend clarifications or changes, will review the written program proposal, together with the student's transcript and a completed Plan of Study. Once the program proposal has been approved, the student is officially an Interdisciplinary Studies major. The advisor and/or other members of the ISC or EDP staff will continue to work with the student during her/his progress toward a degree.

Teaching Endorsement in Dance (P7-12)

Johnson State College does not offer a major in dance; to graduate, a student must complete an approved major in another field. Students pursuing teaching endorsement in dance education must complete a bachelor's degree, additional teacher education core program requirements, unified arts education program coursework and unified arts education endorsement-specific coursework. Please refer to the Education Department section of this catalog for specific requirements.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Management (A.S.)

This program looks at the four major functions of a manager—planning, organizing, leading and controlling—and prepares students for first-line managerial positions. Students also have the business course base to continue in the baccalaureate business management program.

Management Requirements

Required Courses

- ACC-2121 Financial Accounting 4 credits
- ACC-2122 Managerial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- CIS-1410 Intermediate Spreadsheets 3 credits
- BUS-2140 Personal Finance 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-2410 Human Resource Management 3 credits
- BUS-3131 Business Law I 3 credits
- ECO-2020 Macroeconomics 3 credits
- ECO-2030 Microeconomics 3 credits

Electives: 6 credits

- 2 departmental courses from ACC, BUS, CIS, ECO or HTM disciplines.

Total: 38 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Mathematics (B.S.)

The B.S. in mathematics provides students with an opportunity to study one of western civilization's oldest and richest disciplines. In addition to the intrinsic value of the study of mathematics as a liberal art, the mathematics degree provides the foundation for a variety of careers in business, scientific and related fields. Students desiring preparation for a high school teaching career may also earn secondary mathematics teaching licensure.

Learning Outcomes for Mathematics Majors

The mathematics program aims to produce graduates who are knowledgeable and skillful users and communicators of mathematics. The learning outcomes are broken into two categories: content knowledge outcomes and capstone outcomes. The content knowledge outcomes are assessed by the Core Assessment Exam, which students take after they have completed the required core courses in the major. The capstone outcomes are assessed when students present their senior projects.

Content Knowledge Outcomes

Upon completion of the core requirements, students will be able to:

Calculus I:

- apply the limit definition of the derivative and use it to calculate the instantaneous rate of change of a function.
- calculate the derivative of any algebraic or transcendental function.
- use the derivative to solve real-world problems.
- apply the Fundamental Theorem of Calculus.

Calculus II:

- apply integration techniques to a variety of algebraic and transcendental functions.
- use the definite integral (and limits of sums) to solve real-world problems.
- determine whether an infinite series converges and, when possible, find its sum.

Linear Algebra:

- use matrices to solve real-world problems
- use the RREF form of a matrix in a variety of ways (including solving systems of linear equations; testing for linear independence, spanning, and to determine whether a set of vectors forms a basis; finding eigenvectors)
- prove some basic properties of matrices, vectors and linear transformations

Probability & Statistics:

- apply the normal or binomial distribution to solve certain probability problems.
- calculate probabilities and apply them to determine the unusualness of events.
- create and use descriptive statistics to summarize, analyze and compare data sets.
- explain the importance of random/probability sampling.

Capstone Outcomes:

Students will:

- be able to explain main ideas of mathematics clearly, in writing and orally.
- develop the ability to read mathematics independently.
- deepen their own mathematical knowledge by applying previous mathematical learning to new mathematical thinking, concepts and ideas.

Mathematics Requirements

Required Core Courses

Students must pass a core assessment examination upon completion of the core requirements.

- MAT-1531 Calculus I 4 credits
- MAT-2020 Mathematical Reasoning 3 credits
- MAT-2030 Probability & Statistics 3 credits
- MAT-2532 Calculus II 4 credits
- MAT-3210 Linear Algebra 3 credits

Required Courses for the General Education Core

- PHY-1041 Physics I 4 credits
- INT-3150 Gödel, Escher, Bach: An Eternal Golden Braid 3 credits

Elective Courses

(at least 15 credits)

- MAT-2533 Calculus III 4 credits
- MAT-3240 Probability Theory with Statistics 3 credits *
- MAT-3310 Differential Equations 3 credits
- MAT-4130 Abstract Algebra 3 credits *
- MAT-4140 Geometry 3 credits *
- MAT-4710 Special Topics in Mathematics 3 credits

Capstone Requirement:

- MAT-4930 Senior Project in Mathematics 3 credits

Total: 42-43 credits

Students must earn a grade of C or better in each of the required core courses and in each of the elective courses used to satisfy their degree program requirements.

Note: *Students in the math major are required to take PHY-1041 Physics I and INT-3150 Gödel, Escher, Bach: An Eternal Golden Braid for the Foundational-Natural Resources and Aesthetic Perspectives portions of the GEC respectively. It is also recommended that students take a course in economics.*

**All three of these courses are required for Secondary Teaching Endorsement in Mathematics Education.*

Secondary Teaching License in Mathematics

Students pursuing licensure endorsement to teach mathematics in grades 7-12 must successfully complete either the B.S. in Mathematics as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Media Arts (B.F.A.)

The B.F.A. in Media Arts degree offers opportunities to explore the expanding world of media and expression. Emphasis includes educating students on aspects of creative inquiry, collaboration and adaptation to emerging technologies. Courses will include image processing, animation, video and new media. The B.F.A. in Media Arts requires 60 credit hours in visual, performing or interdisciplinary-related coursework. Students begin with introductory courses intended to increase their familiarity with artistic and theoretical concepts associated with media and art. As students progress through the program, they are required to take more specialized courses.

Seniors will be required to create a BFA thesis exhibition for public display. This program is designed to include lectures, lab hours, collaborative projects and public presentations. Students will become immersed in the Media Arts Research Studio (MARS), which houses state-of-the-art hardware, software and printing services. Admission to the

program (generally in the sophomore or junior year) must be followed by a minimum of three semesters of studio work before the thesis exhibition. A student is admitted into the program only upon recommendation by the studio arts faculty and approval by the chairperson, following a successful portfolio review. All majors must participate in the monthly B.F.A. critiques held in the Visual Arts Center Gallery. Each candidate for the BFA must present a senior thesis and talk during the final year of study. This thesis is prepared under the guidance and supervision of the art faculty and must demonstrate proficiency in a chosen area of concentration. Once admitted into the B.F.A. program via their B.F.A. review, students must achieve grades of B- or higher in all ART and ARH courses.

Learning Outcomes for Media Art Majors

Graduating students should be able to:

1. Develop language and techniques for creating and critiquing media.
2. Learn how to use computers and software for creative purposes.
3. Learn a variety of conceptual, design and experimental art-based principles.
4. Introduce the history and criticism surrounding new media.
5. Discover more about themselves and methods of self-expression through art and media.

Media Arts Requirements

Required Courses

- ARH-2010 Survey of Western Traditions in Art 3 credits
- ARH-2060 Survey of Non-Western Traditions in Art 3 credits
- ART-1011 Drawing I 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- ART-2211 Painting I 3 credits
- ART-2251 Sculpture I 3 credits
- ART-2301 Photography I 3 credits

Subtotal: 21 credits

Advanced Art History Electives

(Select two courses)

- ARH-3015 Greek & Roman Art 3 credits
- ARH-3020 Art of the Renaissance 3 credits
- ARH-3060 Twentieth Century Art 3 credits
- ARH-3110 The Spiritual in Non-Western Art 3 credits
- ARH-3120 Art Criticism 3 credits
- ARH-3130 The History of Photography 3 credits
- ARH-3140 African Art 3 credits
- ARH-3150 Art of the Human Body 3 credits
- ARH-3210 Women in Art 3 credits
- ARH-4710 Special Topics in Art History 3 credits

Subtotal: 6 credits

Advanced Non-Media Studio Electives

(Select 2 different courses)

- ART-3031 Life Drawing 3 credits
- ART-3032 Advanced Drawing 3 credits
- ART-3040 Landscape Painting 3 credits
- ART-3222 Ceramics II 3 credits
- ART-3314 Advanced Printmaking 3 credits
- ART-3320 Monoprints 3 credits
- ART-4040 Advanced Photography 3 credits
- ART-4050 Advanced Painting 3 credits
- ART-4110 Visual Art & Performance 3 credits
- ART-4130 Advanced Sculpture 3 credits
- ART-4710 Special Topics in Non-Media Studio Arts 3 credits

Subtotal: 6 credits

Advanced Media Electives

(Select 5 different courses)

- ART-4020 Advanced Digital Media 3 credits
- ART-4060 Advanced Digital: Graphic Design 3 credits
- ART-4070 Advanced Digital: Web Design for Artists 3 credits
- ART-4075 Advanced Digital: Animation & Motion Graphics 3 credits
- ART-4080 Advanced Digital Media: Intermedia 3 credits
- ART-4150 Advanced Digital: Video 3 credits
- ART-4710 Special Topics in Media Arts 3 credits

Subtotal: 15 credits

Extended Media Experience

(Select one ART-4110 Visual Art & Performance course)

- ART-4810 Internship in Art 1-12 credits (3 credits)
- ENV-3310 Applications in GIS 4 credits
- MUS-2160 Introduction to Technology in Music 2 credits

Subtotal: 3 credits

Required Capstone Courses

- ARH-4720 Seminar in Contemporary Art Issues 3 credits
- ART-4120 B.F.A. Project & Exhibit 3 credits
- ART-4730 B.F.A. Seminar 3 credits

Subtotal: 9 credits

Total: 60 credits

- *Grades for ART-4120 B.F.A. Project & Exhibit will be determined by the thesis advisor in consultation with the full department.*
- *Once admitted into the BFA program via their BFA Review, students must achieve grades of B- or higher in all ART and ARH courses.*

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Music Performance & Music Education (B.A.)

The music education program at Johnson State College provides a five-year, double major in Music Performance and Music Education that leads to State of Vermont Certification for all specializations in Music, grades PreK-12. This program guides students through the licensure procedures from the earliest levels of their collegiate education through to the completion of the student teaching internship and includes requirements in instrumental, choral and general music methods for all music education majors. The hallmark of the program is the comprehensive nature of the degree supported by strong curricular sequencing of the course work.

Mission Statement & Program Goals

The Music Education Department of Johnson State College endeavors to create an inviting learning environment that provides a systematic, experience-based curriculum in the areas of self-reflection, curiosity and enthusiasm in its future educators. Successful music educators exhibit personal qualities of leadership, intellectual curiosity and social commitment. They approach life, music and the teaching profession in a positive, creative and enthusiastic way.

Musicians are most successful as teachers if they understand current structures, systems and practices in education. The music educator in this age of educational change and accountability must be able to express knowledge of teaching and learning through verbal communication (oral and written) and through overt, demonstrable high-level musical and teaching skills. Johnson graduates plan and implement effective, developmentally appropriate lessons and curricula based upon sound principles of content knowledge, skill development and pedagogy. They employ the National Standards in Music Education and use appropriate materials and strategies to develop students' critical thinking, problem solving and performance skills all while conveying their deep love of music.

The JSC faculty is dedicated to preparing its candidates for careers as professional music educators and to emulate and convey the following principles: pursuing excellence in education; a commitment to diversity and cultural awareness; excellence in musicianship, pedagogy, research and scholarship. Music educators from JSC enter the field with the skills, knowledge, confidence and enthusiasm to successfully provide their future students with a complete and fulfilling musical experience.

Music Education Degree Learning Outcomes

1. Demonstrate mastery of basic skills in reading, writing and mathematics by passing the Praxis I exam according to Vermont Guidelines.

2. Demonstrate knowledge of content areas (PreK-12 instrumental, choral, & general music) and successfully complete the Praxis II exam for the Music Content area with a score that meets the Vermont Certification Guidelines.
3. Be able to develop well-organized, standards-based lessons and unit plans in all content areas of certification (PreK-12 instrumental, choral & general music), as well as use them successfully in a variety of music classroom environments as evidenced by documentation included in an approved portfolio.
4. Be knowledgeable of both child and adolescent development, various exceptionalities, literacy development, technology integration, anti-discriminatory practice, and demonstrate skill in planning and carrying out varied instructional activities designed to support learning across a diverse student population.
5. Demonstrate skill in using reflection as a means of improving classroom teaching skills.
6. Demonstrate collaboration and advocacy skills by working successfully with colleagues, parents and the community at large for purpose of improving the music education experience for all children.
7. Demonstrate those teaching skills expected of a beginning music educator by successfully completing the required student teaching experience.
8. Develop skills in critical and creative thinking and apply these to music education as evidenced in the successful completion of the licensure portfolio.

Music Performance & Music Education Requirements

1. Music Performance Requirements

Choose either the Classical or Jazz Performance track. (53-54 credits)

Classical Performance Track

Required Courses

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1231 Music Theory I 3 credits
The above courses should be taken concurrently.

- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1232 Music Theory II 3 credits
The above courses should be taken concurrently.

- MUS-2053 Keyboard Harmony III 1 credits
- MUS-2023 Ear Training III 1 credits
- MUS-2313 Music Theory III 3 credits
The above courses should be taken concurrently.

- MUS-2054 Keyboard Harmony IV 1 credits
- MUS-2024 Ear Training IV 1 credits
- MUS-2314 Music Theory IV 3 credits
The above courses should be taken concurrently.

Subtotal for Classical Track: 20 credits

Jazz Performance Track

Required Courses

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1231 Music Theory I 3 credits
The above courses should be taken concurrently.
- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1232 Music Theory II 3 credits
The above courses should be taken concurrently.
- MUS-2211 Jazz/Contemporary Keyboard III 1 credits
- MUS-2023 Ear Training III 1 credits
- MUS-2013 Jazz/Contemporary Theory & Improvisation III 3 credits
The above courses should be taken concurrently.
- MUS-2212 Jazz/Contemporary Keyboard IV 1 credits
- MUS-2024 Ear Training IV 1 credits
- MUS-2014 Jazz/Contemporary Theory & Improvisation IV 3 credits
The above courses should be taken concurrently.

Subtotal for Jazz Track: 20 credits

Additional Requirements:

In addition to completing either the classical or jazz track above, students in the Music Performance & Music Education major must also complete the additional music performance requirements listed below, as well as the required history courses, music education tools courses, instrumental courses, choral courses, general music education courses that follow, and the licensure-specific course listed in the Education Department section of this catalog:

Additional Music Performance Requirements (21 credits)

- MUS-1120 Applied Music Lessons 1 credits (12 credits)(12 credits in one primary voice or instrument) *
- MUS-3240 Applied Music Lessons 2 credits (12 credits)(12 credits in one primary voice or instrument) *
- MUS-4030 Applied Music Lessons 3 credits (12 credits)(12 credits in one primary voice or instrument) *
- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits) (Must register every semester for 0, 0.5 or 1 credit) **
- MUS-3140 Arranging/Orchestration 3 credits
- MUS-4720 Senior Recital 2 credits

Required History Courses (9 credits)

- MUS-3031 History of Western Music I 3 credits
- MUS-3032 History of Western Music II 3 credits

- MUS-3330 Worlds of Music 3 credits (classical track) **OR**
- MUS-2040 Foreign Language Diction 2 credits (3 credits) (jazz track)

Plus a minimum of 8 additional music credits from the following list of courses:

- MUS-1120 Applied Music Lessons 1 credits in Guitar for 1 or more credits *
- MUS-3240 Applied Music Lessons 2 credits (1 credits) in Guitar for 1 or more credits *
- MUS-4720 Senior Recital 2 credits (1 credits) in Guitar for 1 or more credits *
- MUS-2040 Foreign Language Diction 2 credits
- MUS-2120 String Instrument Teaching Methods 2 credits
- MUS-3040 Jazz in America 3 credits (classical track) **OR**
- MUS-3330 Worlds of Music 3 credits (jazz track)
- Approved additional courses in Composition or Arranging/Orchestration
- Approved additional music courses chosen in consultation with an academic advisor

Note:

**Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they register for Applied Music/Voice Lessons until they complete the requirement.*

***Music majors must enroll in an ensemble for 0, 0.5 or 1 credit every semester that they are registered as a music major.*

2. Music Education Core Requirements (36 credits)

Note: Students must earn a B- or better in all the music education core courses listed below.

Required music education tools courses (11 credits)

- MUS-3215 Technology for the Music Classroom 3 credits
- MUS-3401 Conducting I 3 credits
- MUS-3402 Conducting II 3 credits
- MUS-4420 Seminar in Professional Preparation for Music Education 2 credits

Required instrumental courses (10 credits)

- MUS-2361 Instrumental Techniques I 3 credits
- MUS-2362 Instrumental Techniques II 3 credits
- MUS-3240 Applied Music Lessons 2 credits
- MUS-3310 Band Methods 2 credits

Required choral courses (7 credits)

- MUS-3060 Vocal Pedagogy K-12 2 credits
- MUS-3080 Choral Literature 2 credits
- MUS-3270 Choral Music Methods 3 credits

Required general music education courses (8 credits)

- MUS-2250 Introduction to Music Education 2 credits
- MUS-3160 Elementary School Music Methods 3 credits
- MUS-3120 Secondary School Music Methods 3 credits

Music Education (PreK-12) Teaching Endorsement (36 credits)

Students pursuing teaching endorsement in music education must complete the B.A. in Music & Music Education, additional teacher education and unified arts education endorsement-specific coursework, and in some cases additional content courses. Please refer to the Education Department section of this catalog for specific requirements.

General Education Core Requirements (20 credits)

- First-Year Seminar, 3 credits
- Creative Audience, 1 credit
- Foundation Skills: Written Expression, 6 credits
- Foundation Skills: Mathematics, 6 credits
- Foundation Skills: Natural Science, 4 credits
(Perspective and QE credits are embedded in Music and Education courses.)

Total Credits without General Education Core: 130 credits

Total Credits with General Education Core: 150 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Music: Composition (B.A.)

Bachelor of Arts in Music

The Bachelor of Arts in Music is a program designed for students who already have basic proficiency in an instrument or voice and who are interested in advanced training in areas of technique, music theory, music skills, composition, history and style. Concentrations are designed to allow the student to focus specifically in areas of performing (Jazz or Classical), sound engineering, composition or by developing a creative pathways program of study with the advisor to explore other areas of music. The BA in Music is designed for students who are seriously interested in pursuing advanced degrees or careers in music and the music industry. All concentrations include a senior project or capstone experience designed to help engage the student in thoughtful decision making regarding post-collegiate activities in music.

Learning Outcomes for Music Majors

1. Students will develop a broad range of knowledge in harmony; explore the content of melody; study several aspects of rhythm; learn how music develops from the perspective of form; and will combine the many resources of sound.
2. Students will attain the skills necessary to communicate musical ideas in written form and to read music from various resources.
3. Students will become familiar with the current available forms of music technology.
4. Students will apply all elements of study to music performance, recording, composition/arranging and internships.
5. Students will demonstrate an understanding of music as aural art.

Music Core Requirements

Required Core Courses

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1231 Music Theory I 3 credits
The above courses should be taken concurrently.

- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1232 Music Theory II 3 credits
The above courses should be taken concurrently.

- MUS-2023 Ear Training III 1 credits
- MUS-2024 Ear Training IV 1 credits

- MUS-2160 Introduction to Technology in Music 2 credits **OR**
- MUS-3215 Technology for the Music Classroom 3 credits

- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits) *
- MUS-3140 Arranging/Orchestration 3 credits

- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits

- MUS-3240 Applied Music Lessons 2 credits (6 credits) (all in one primary instrument and includes a required lab) **

Total: 30 credits

** Enrollment in a Music Ensemble is required of all students for every semester as a music major.*

*** Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they register for Applied Music/Voice Lessons until they complete the requirement.*

All Bachelor of Arts in Music major must complete the music concentration listed below in addition to the music core requirements.

Composition Concentration

Required Courses

- MUS-2053 Keyboard Harmony III 1 credits
- MUS-2313 Music Theory III 3 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.
- MUS-2054 Keyboard Harmony IV 1 credits
- MUS-2314 Music Theory IV 3 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.

Additional Requirements

- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits (whichever one not taken as part of the core requirements)
- MUS-3240 Applied Music Lessons 8 credits (in composition and for four semesters at 2 cr. each semester)
- MUS-3240 Applied Music Lessons 2 credits (in primary instrument and for 2 credits above core requirement)
- MUS-4270 Senior Recital in Composition 2 credits

Total: 24 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Music: Creative Pathways (B.A.)

Bachelor of Arts in Music

The Bachelor of Arts in Music is a program designed for students who already have basic proficiency in an instrument or voice and who are interested in advanced training in areas of technique, music theory, music skills, composition, history and style. Concentrations are designed to allow the student to focus specifically in areas of performing (Jazz or Classical), sound engineering, composition or by developing a creative pathways program of study with the advisor to explore other areas of music. The BA in Music is designed for students who are seriously interested in pursuing advanced degrees or careers in music and the music industry. All concentrations include a senior project or capstone experience designed to help engage the student in thoughtful decision making regarding post-collegiate activities in music.

Learning Outcomes for Music Majors

1. Students will develop a broad range of knowledge in harmony; explore the content of melody; study several aspects of rhythm; learn how music develops from the perspective of form; and will combine the many resources of sound.
2. Students will attain the skills necessary to communicate musical ideas in written form and to read music from various resources.
3. Students will become familiar with the current available forms of music technology.
4. Students will apply all elements of study to music performance, recording, composition/arranging and internships.
5. Students will demonstrate an understanding of music as aural art.

Music Core Requirements

Required Core Courses

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1231 Music Theory I 3 credits
The above courses should be taken concurrently.
- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1232 Music Theory II 3 credits
The above courses should be taken concurrently.
- MUS-2023 Ear Training III 1 credits
- MUS-2024 Ear Training IV 1 credits
- MUS-2160 Introduction to Technology in Music 2 credits **OR**
- MUS-3215 Technology for the Music Classroom 3 credits
- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits) *
- MUS-3140 Arranging/Orchestration 3 credits
- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits
- MUS-3240 Applied Music Lessons 2 credits (6 credits) (all in one primary instrument and includes a required lab) **

Total: 30 credits

** Enrollment in a Music Ensemble is required of all students for every semester as a music major.*

*** Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they register for Applied Music/Voice Lessons until they complete the requirement.*

All Bachelor of Arts in Music major must complete the music concentration listed below in addition to the music core requirements.

Creative Pathways Concentration

Complete one of the following sets of courses:

Set 1: Jazz/Contemporary

- MUS-2013 Jazz/Contemporary Theory & Improvisation III 3 credits
- MUS-2211 Jazz/Contemporary Keyboard III 1 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.
- MUS-2014 Jazz/Contemporary Theory & Improvisation IV 3 credits
- MUS-2212 Jazz/Contemporary Keyboard IV 1 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.

Set 2: Classical

- MUS-2313 Music Theory III 3 credits
- MUS-2053 Keyboard Harmony III 1 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.
- MUS-2314 Music Theory IV 3 credits
- MUS-2054 Keyboard Harmony IV 1 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.

Additional Requirements

- MUS-3240 Applied Music Lessons 2 credits (for 2 credits above core requirement)
- MUS-XXXX Music Electives 9 credits (under the guidance of an advisor)
- MUS-4810 Internship in Music 1-12 credits (2 credits)

Complete one of the following courses:

(in addition to the music history core requirement)

- MUS-3031 History of Western Music I 3 credits
- MUS-3032 History of Western Music II 3 credits
- MUS-3040 Jazz in America 3 credits
- MUS-3330 Worlds of Music 3 credits
- MUS-3050 The Social History of Rock & Roll 3 credits
- MUS-3220 History of Blues 3 credits
- MUS-3230 Survey of American Musical Theater 3 credits

Total: 24 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Music: Instrumental Performance, Classical (B.A.)

Bachelor of Arts in Music

The Bachelor of Arts in Music is a program designed for students who already have basic proficiency in an instrument or voice and who are interested in advanced training in areas of technique, music theory, music skills, composition, history and style. Concentrations are designed to allow the student to focus specifically in areas of performing (Jazz or Classical), sound engineering, composition or by developing a creative pathways program of study with the advisor to explore other areas of music. The BA in Music is designed for students who are seriously interested in pursuing advanced degrees or careers in music and the music industry. All concentrations include a senior project or capstone experience designed to help engage the student in thoughtful decision making regarding post-collegiate activities in music.

Learning Outcomes for Music Majors

1. Students will develop a broad range of knowledge in harmony; explore the content of melody; study several aspects of rhythm; learn how music develops from the perspective of form; and will combine the many resources of sound.
2. Students will attain the skills necessary to communicate musical ideas in written form and to read music from various resources.
3. Students will become familiar with the current available forms of music technology.
4. Students will apply all elements of study to music performance, recording, composition/arranging and internships.
5. Students will demonstrate an understanding of music as aural art.

Music Core Requirements

Required Core Courses

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1231 Music Theory I 3 credits
- The above courses should be taken concurrently.

- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1232 Music Theory II 3 credits
- The above courses should be taken concurrently.

- MUS-2023 Ear Training III 1 credits
- MUS-2024 Ear Training IV 1 credits

- MUS-2160 Introduction to Technology in Music 2 credits **OR**
- MUS-3215 Technology for the Music Classroom 3 credits

- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits) *
- MUS-3140 Arranging/Orchestration 3 credits

- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits

- MUS-3240 Applied Music Lessons 2 credits (6 credits) (all in one primary instrument and includes a required lab) **

Total: 30 credits

** Enrollment in a Music Ensemble is required of all students for every semester as a music major.*

*** Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they register for Applied Music/Voice Lessons until they complete the requirement.*

All Bachelor of Arts in Music major must complete the music concentration listed below in addition to the music core requirements.

Instrumental Performance: Classical Concentration

Required Courses

- MUS-2053 Keyboard Harmony III 1 credits
- MUS-2313 Music Theory III 3 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.

- MUS-2054 Keyboard Harmony IV 1 credits
- MUS-2314 Music Theory IV 3 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.

- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits (whichever one not taken as part of the core)

- MUS-3240 Applied Music Lessons 2 credits (6 credits) (in primary instrument and for 6 credits above core requirement)
- MUS-3000/4000 Music Elective at the 3000/4000 level 3 credits (under the guidance of an advisor)
- MUS-4720 Senior Recital 2 credits

Total: 22 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Music: Instrumental Performance, Jazz/Contemporary (B.A.)

Bachelor of Arts in Music

The Bachelor of Arts in Music is a program designed for students who already have basic proficiency in an instrument or voice and who are interested in advanced training in areas of technique, music theory, music skills, composition, history and style. Concentrations are designed to allow the student to focus specifically in areas of performing (Jazz or Classical), sound engineering, composition or by developing a creative pathways program of study with the advisor to explore other areas of music. The BA in Music is designed for students who are seriously interested in pursuing advanced degrees or careers in music and the music industry. All concentrations include a senior project or capstone experience designed to help engage the student in thoughtful decision making regarding post-collegiate activities in music.

Learning Outcomes for Music Majors

1. Students will develop a broad range of knowledge in harmony; explore the content of melody; study several aspects of rhythm; learn how music develops from the perspective of form; and will combine the many resources of sound.
2. Students will attain the skills necessary to communicate musical ideas in written form and to read music from various resources.
3. Students will become familiar with the current available forms of music technology.
4. Students will apply all elements of study to music performance, recording, composition/arranging and internships.
5. Students will demonstrate an understanding of music as aural art.

Music Core Requirements

Required Core Courses

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1231 Music Theory I 3 credits
- The above courses should be taken concurrently.

- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1232 Music Theory II 3 credits
- The above courses should be taken concurrently.

- MUS-2023 Ear Training III 1 credits
- MUS-2024 Ear Training IV 1 credits

- MUS-2160 Introduction to Technology in Music 2 credits **OR**
- MUS-3215 Technology for the Music Classroom 3 credits

- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits) *
- MUS-3140 Arranging/Orchestration 3 credits

- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits

- MUS-3240 Applied Music Lessons 2 credits (6 credits) (all in one primary instrument and includes a required lab) **

Total: 30 credits

** Enrollment in a Music Ensemble is required of all students for every semester as a music major.*

*** Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they register for Applied Music/Voice Lessons until they complete the requirement.*

All Bachelor of Arts in Music major must complete the music concentration listed below in addition to the music core requirements.

Instrumental Performance: Jazz/Contemporary Concentration

Required Courses

- MUS-2013 Jazz/Contemporary Theory & Improvisation III 3 credits
- MUS-2211 Jazz/Contemporary Keyboard III 1 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.
- MUS-2014 Jazz/Contemporary Theory & Improvisation IV 3 credits
- MUS-2212 Jazz/Contemporary Keyboard IV 1 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.
- MUS-3040 Jazz in America 3 credits
- MUS-3240 Applied Music Lessons 2 credits (6 credits) (in primary instrument and for 6 credits above core requirement)
- MUS-3000/4000 Music elective at the 3000/4000 level 3 credits (under the guidance of an advisor)
- MUS-4720 Senior Recital 2 credits

Total: 22 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Music: Sound Engineering (B.A.)

Bachelor of Arts in Music

The Bachelor of Arts in Music is a program designed for students who already have basic proficiency in an instrument or voice and who are interested in advanced training in areas of technique, music theory, music skills, composition, history and style. Concentrations are designed to allow the student to focus specifically in areas of performing (Jazz or Classical), sound engineering, composition or by developing a creative pathways program of study with the advisor to explore other areas of music. The BA in Music is designed for students who are seriously interested in pursuing advanced degrees or careers in music and the music industry. All concentrations include a senior project or capstone experience designed to help engage the student in thoughtful decision making regarding post-collegiate activities in music.

Learning Outcomes for Music Majors

1. Students will develop a broad range of knowledge in harmony; explore the content of melody; study several aspects of rhythm; learn how music develops from the perspective of form; and will combine the many resources of sound.
2. Students will attain the skills necessary to communicate musical ideas in written form and to read music from various resources.
3. Students will become familiar with the current available forms of music technology.
4. Students will apply all elements of study to music performance, recording, composition/arranging and internships.
5. Students will demonstrate an understanding of music as aural art.

Music Core Requirements

Required Core Courses

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1231 Music Theory I 3 credits
The above courses should be taken concurrently.

- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1232 Music Theory II 3 credits
The above courses should be taken concurrently.

- MUS-2023 Ear Training III 1 credits
- MUS-2024 Ear Training IV 1 credits

- MUS-2160 Introduction to Technology in Music 2 credits **OR**
- MUS-3215 Technology for the Music Classroom 3 credits

- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits) *
- MUS-3140 Arranging/Orchestration 3 credits

- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits

- MUS-3240 Applied Music Lessons 2 credits (6 credits) (all in one primary instrument and includes a required lab) **

Total: 30 credits

** Enrollment in a Music Ensemble is required of all students for every semester as a music major.*

*** Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they register for Applied Music/Voice Lessons until they complete the requirement.*

All Bachelor of Arts in Music major must complete the music concentration listed below in addition to the music core requirements.

Sound Engineering Concentration

Complete one of the following sets of courses:

Set 1: Jazz/Contemporary

- MUS-2013 Jazz/Contemporary Theory & Improvisation III 3 credits
- MUS-2211 Jazz/Contemporary Keyboard III 1 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.
- MUS-2014 Jazz/Contemporary Theory & Improvisation IV 3 credits
- MUS-2212 Jazz/Contemporary Keyboard IV 1 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.

Set 2: Classical

- MUS-2053 Keyboard Harmony III 1 credits
- MUS-2313 Music Theory III 3 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.
- MUS-2054 Keyboard Harmony IV 1 credits
- MUS-2314 Music Theory IV 3 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.

Additional Required Courses:

- MUS-2231 Studio Recording I 3 credits
- MUS-3272 Studio Recording II 3 credits
- MUS-4020 Final Production in Studio Recording 2 credits
- MUS-4810 Internship in Music 1-12 credits

Complete one of the following courses:

(in addition to the music history core requirement)

- MUS-3031 History of Western Music I 3 credits
- MUS-3032 History of Western Music II 3 credits
- MUS-3040 Jazz in America 3 credits
- MUS-3050 The Social History of Rock & Roll 3 credits
- MUS-3220 History of Blues 3 credits
- MUS-3330 Worlds of Music 3 credits

Total: 22 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Music: Vocal Performance, Classical (B.A.)

Bachelor of Arts in Music

The Bachelor of Arts in Music is a program designed for students who already have basic proficiency in an instrument or voice and who are interested in advanced training in areas of technique, music theory, music skills, composition, history and style. Concentrations are designed to allow the student to focus specifically in areas of performing (Jazz or Classical), sound engineering, composition or by developing a creative pathways program of study with the advisor to explore other areas of music. The BA in Music is designed for students who are seriously interested in pursuing advanced degrees or careers in music and the music industry. All concentrations include a senior project or capstone experience designed to help engage the student in thoughtful decision making regarding post-collegiate activities in music.

Learning Outcomes for Music Majors

1. Students will develop a broad range of knowledge in harmony; explore the content of melody; study several aspects of rhythm; learn how music develops from the perspective of form; and will combine the many resources of sound.
2. Students will attain the skills necessary to communicate musical ideas in written form and to read music from various resources.
3. Students will become familiar with the current available forms of music technology.
4. Students will apply all elements of study to music performance, recording, composition/arranging and internships.
5. Students will demonstrate an understanding of music as aural art.

Music Core Requirements

Required Core Courses

- MUS-1051 Keyboard Harmony I 1 credits
 - MUS-1061 Ear Training I 1 credits
 - MUS-1231 Music Theory I 3 credits
- The above courses should be taken concurrently.
- MUS-1052 Keyboard Harmony II 1 credits
 - MUS-1062 Ear Training II 1 credits
 - MUS-1232 Music Theory II 3 credits
- The above courses should be taken concurrently.
- MUS-2023 Ear Training III 1 credits
 - MUS-2024 Ear Training IV 1 credits
- MUS-2160 Introduction to Technology in Music 2 credits **OR**
 - MUS-3215 Technology for the Music Classroom 3 credits

- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits) *
- MUS-3140 Arranging/Orchestration 3 credits
- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits
- MUS-3240 Applied Music Lessons 2 credits (6 credits) (all in one primary instrument and includes a required lab) **

Total: 30 credits

** Enrollment in a Music Ensemble is required of all students for every semester as a music major.*

*** Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they register for Applied Music/Voice Lessons until they complete the requirement.*

All Bachelor of Arts in Music major must complete the music concentration listed below in addition to the music core requirements.

Vocal Performance: Classical Concentration

Required Courses

- MUS-2053 Keyboard Harmony III 1 credits
- MUS-2313 Music Theory III 3 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.
- MUS-2054 Keyboard Harmony IV 1 credits
- MUS-2314 Music Theory IV 3 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.
- MUS-2040 Foreign Language Diction 2 credits
- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits (whichever one not taken as part of the core requirements)
- MUS-3060 Vocal Pedagogy K-12 2 credits
- MUS-3240 Applied Music Lessons 2 credits (6 credits) (for 6 credits above core requirement)
- MUS-4720 Senior Recital 2 credits

Total: 23 credits

Additional music and non-music electives recommended:

- DAN-1010 Fundamentals of Dance 3 credits
- DAN-2131 Ballet 3 credits
- FRE-1111 French I 3 credits
- FRE-1111L French I Lab 1 credits

- FRE-1112 French II 3 credits
- FRE-1112L French II Lab 1 credits
- MUS-3230 Survey of American Musical Theater 3 credits
- MUS-3260 Music Theater Workshop 3 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Music: Vocal Performance, Jazz/Contemporary (B.A.)

Bachelor of Arts in Music

The Bachelor of Arts in Music is a program designed for students who already have basic proficiency in an instrument or voice and who are interested in advanced training in areas of technique, music theory, music skills, composition, history and style. Concentrations are designed to allow the student to focus specifically in areas of performing (Jazz or Classical), sound engineering, composition or by developing a creative pathways program of study with the advisor to explore other areas of music. The BA in Music is designed for students who are seriously interested in pursuing advanced degrees or careers in music and the music industry. All concentrations include a senior project or capstone experience designed to help engage the student in thoughtful decision making regarding post-collegiate activities in music.

Learning Outcomes for Music Majors

1. Students will develop a broad range of knowledge in harmony; explore the content of melody; study several aspects of rhythm; learn how music develops from the perspective of form; and will combine the many resources of sound.
2. Students will attain the skills necessary to communicate musical ideas in written form and to read music from various resources.
3. Students will become familiar with the current available forms of music technology.
4. Students will apply all elements of study to music performance, recording, composition/arranging and internships.
5. Students will demonstrate an understanding of music as aural art.

Music Core Requirements

Required Core Courses

- MUS-1051 Keyboard Harmony I 1 credits
 - MUS-1061 Ear Training I 1 credits
 - MUS-1231 Music Theory I 3 credits
- The above courses should be taken concurrently.
- MUS-1052 Keyboard Harmony II 1 credits
 - MUS-1062 Ear Training II 1 credits
 - MUS-1232 Music Theory II 3 credits

The above courses should be taken concurrently.

- MUS-2023 Ear Training III 1 credits
- MUS-2024 Ear Training IV 1 credits

- MUS-2160 Introduction to Technology in Music 2 credits **OR**
- MUS-3215 Technology for the Music Classroom 3 credits

- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits) *
- MUS-3140 Arranging/Orchestration 3 credits

- MUS-3031 History of Western Music I 3 credits **OR**
- MUS-3032 History of Western Music II 3 credits

- MUS-3240 Applied Music Lessons 2 credits (6 credits) (all in one primary instrument and includes a required lab) **

Total: 30 credits

** Enrollment in a Music Ensemble is required of all students for every semester as a music major.*

*** Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they register for Applied Music/Voice Lessons until they complete the requirement.*

All Bachelor of Arts in Music major must complete the music concentration listed below in addition to the music core requirements.

Vocal Performance - Jazz/Contemporary Concentration

Required Courses

- MUS-2013 Jazz/Contemporary Theory & Improvisation III 3 credits
- MUS-2211 Jazz/Contemporary Keyboard III 1 credits
The above courses should be taken concurrently with MUS-2023 Ear Training III.

- MUS-2014 Jazz/Contemporary Theory & Improvisation IV 3 credits
- MUS-2212 Jazz/Contemporary Keyboard IV 1 credits
The above courses should be taken concurrently with MUS-2024 Ear Training IV.

- MUS-3040 Jazz in America 3 credits
- MUS-3060 Vocal Pedagogy K-12 2 credits
- MUS-3240 Applied Music Lessons 2 credits (6 credits) (for 6 credits above core requirement)
- MUS-XXXX Music Elective 2 credits (under the guidance of an advisor)
- MUS-4270 Senior Recital 2 credits

Total: 23 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Musical Theater (B.A.)

The B.A. in musical theater will link already-existing programs in theater, music and dance, relying primarily on present resources in the Performing Arts Department and creating several new classes unique to the demands of singer/actor training, a market whose growth in the New England area has been quite sturdy in the past decade. The program will require 55 credits in theater and music, including up to 3 classes in dance and an internship. This degree brings theater, music and dance together in a collaboration designed to enhance the employment possibilities/potential of singer/actors and widen their career prospects as performers, training them to compete in the musical theater market.

Learning Outcomes for Musical Theater Majors

1. Demonstrate fluency in all facets of theater/music including writing, speech, sight reading and performance.
2. Possess the verbal and writing skills to analyze, criticize and interpret both music and play script.
3. Master skills of acting, singing and dance both on and off the stage.
4. Articulate the role of musical theater and theater in creating and sustaining community and local culture.
5. Describe and apply knowledge of audience development, theater production and the economic sustainability of a theater company or service.

Musical Theater Requirements

Required Courses

Theater Requirements (19 credits)

- THA-1041 Introduction to Theater Arts 3 credits
- THA-2035 Costume Construction & Stage Makeup 3 credits

- THA-2121 Acting I 3 credits **AND**
- THA-2121L Acting I Lab 1 credits *

- THA-2122 Acting II 3 credits
- THA-3123 Acting III 3 credits
- THA-4730 Seminar in Professional Preparation for the Actor 3 credits

Subtotal: 19 credits

**Students registering for THA-2121 Acting I must also register for the THA-2121L Acting I Lab for 1 credit.*

Music Requirements (15 credits)

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1120 Applied Music Lessons 1 credits (10 credits) **
- MUS-3240 Applied Music Lessons 2 credits (10 credits) **

- MUS-1231 Music Theory I 3 credits

Subtotal: 15 credits

**Music majors are automatically enrolled in an MUS-1120L Applied Music Lesson Lab for 0 credits each semester that they are registered for Applied Music/Voice Lessons until they complete the requirement.

Musical Theater Requirements (15 credits)

- MUS-2350 Music Theater Production 3 credits (6 credits) (take two times at 3 credits each)
- MUS-4010 Music Theater Production 3 credits (6 credits) (take two times at 3 credits each)
- MUS-3230 Survey of American Musical Theater 3 credits
- MUS-3260 Music Theater Workshop 3 credits (6 credits) (take two times at 3 credits each)

Subtotal: 15 credits

Dance Requirements

(6 credits minimum* from following courses, based on dance placement)

*Through a combination of demonstrated proficiency in the freshman musical theater dance placement and dance course enrollment, musical theater majors must demonstrate fundamental skills in a minimum of three dance styles from the following: Jazz, Tap and Ballet or Modern Dance. A minimum of six credits is required in dance for the musical theater major; however, students with no previous dance experience may need up to 12 credits of dance instruction in order to demonstrate proficiency.

- DAN-1010 Fundamentals of Dance 3 credits
- DAN-1020 Fundamentals of Jazz Dance 3 credits
- DAN-1111 Modern Dance 3 credits
- DAN-2040 Beginning Tap Dance 2 credits
- DAN-2131 Ballet 3 credits
- DAN-3020 Intermediate Ballet: Technique & History 3 credits
- DAN-3112 Intermediate Modern Dance: Technique & History 3 credits
- DAN-3130 Jazz Dance 3 credits
- DAN-4130 Advanced Ballet/Modern Dance: Technique & History 3 credits

Subtotal: 6 credits

Total: 55 credits

- Students who do not pass the MUS-1231 Music Theory I and Keyboard Placement Exams/Hearings will need to complete MUS-1030 Music Fundamentals, and MUS-1050 Elementary Piano Class, prior to enrolling in the MUS-1231 Music Theory I core courses.
- It is highly recommended that musical theater students have fundamental keyboard skills to aid in learning vocal lines.
- Musical Theater majors are expected to audition for the spring musical production every year that they are enrolled as a musical theater major.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Outdoor Education: Adventure Education & Wilderness Leadership (B.A.)

Bachelor of Arts in Outdoor Education

The outdoor education major is highly experiential and leads to diverse careers working with a variety of populations in outdoor settings. The program consists of a core and two concentrations: one in adventure education and wilderness leadership and the other in environmental education. The major offers students technical training in outdoor pursuits/adventure leadership and environmental education in combination with cross-disciplinary study in education, psychology and biology, and prepares students for a career or graduate study in outdoor education, outdoor recreation or environmental education.

Prior to the required internship, students must complete OER-3010 with a grade of C- or better, have junior or senior standing and obtain a recommendation from the outdoor education faculty. Students should meet with their advisors early in their program for specific details regarding the internship process.

Learning Outcomes for Outdoor Education Majors

The B.A. in outdoor education program seeks to produce graduates who can demonstrate:

- Knowledge of the historical and philosophical foundations of the field, human development, learning theories, experiential education, natural history and environmental issues;
- The ability to critically read, evaluate and synthesize literature in the field of outdoor education and carry out an original research project;
- Pedagogical skills and practical experience organizing, teaching and leading diverse populations through experiential, field-based learning opportunities;
- Knowledge of professional practices including program administration, program development, risk management, emergency procedures and awareness of industry standards, current issues and trends;
- Knowledge and skills specific to outdoor adventure pursuits and/or environmental education.

Outdoor Education Requirements

Required Courses

- One core elective chosen under advisement 3 credits
- ENV-1110 Introduction to Environmental Problems 3 credits
- ENV-2050 The Natural History of Vermont 3 credits **OR**
- BIO-2130 Natural History of the Yellowstone Plateau 3 credits
- OER-1000 Introduction to Outdoor Education 4 credits
- OER-3010 Learning in the Outdoors 4 credits *

- OER-3020 Program Planning in Outdoor Education 3 credits
- OER-4900 Research in Outdoor Education 3 credits
- PSY-1010 Introduction to Psychology 3 credits
- PSY-2070 Developmental Psychology 3 credits
- OER-4810 Internship in Outdoor Education 6-12 credits (6-12 credits)

Total: 35-41 credits

*A grade of C- is required in OER 3010.

Adventure Education & Wilderness Leadership Concentration

Students in this concentration will be prepared for work in the fast-growing field of educational and recreational outdoor programs. Employers of these graduates might include adventure outfitters and guide services, outdoor education centers and camps that include programs in outdoor living/travel and ropes courses, and outdoor leadership development programs. Graduating students could also pursue advanced degrees in outdoor education, outdoor recreation or outdoor therapeutic recreation.

Students in this concentration must document at least 25 days of wilderness or adventure leadership experiences when they apply for their required internship. Leadership opportunities are offered through various courses, the Outing Club and local schools and agencies. Students should consult with their advisor early in their program to obtain details about this requirement.

Outdoor Education Skills Courses

Select 4 of the following: 2-7 credits

(0.5-3.0 credits each)

- OER-1030 Outdoor Education Activities 0.5 credits (Fly-fishing)
- OER-1050 Hiking & Camping 1 credits
- OER-1131 Rock Climbing I 1 credits
- OER-2080 Advanced Rock Craft 2 credits
- OER-1170 Ice Climbing 1 credits
- OER-1070 Orienteering 1 credits
- OER-1060 Ropes Course 1 credits
- OER-1030 Outdoor Education Activities 0.5 credits (Cross-Country Skiing)
- OER-1030 Outdoor Education Activities 0.5 credits (Snowshoeing)
- OER-1030 Outdoor Education Activities 0.5 credits (Introduction to River Kayaking)
- OER-1161 Whitewater Kayaking 1 credits
- OER-1162 Coastal Kayaking 1 credits
- OER-3150 Winter Expedition 3 credits
- Teaching Assistant Internship
- Activity-based special topics course such as Wilderness Canoe Touring

Additional Required Courses

- OER-1061 Backpacking 1 credits

- OER-2062 Advanced Backpacking 2 credits
- OER-2050 Rock Climbing Instructor 2 credits **OR**
- OER-1165 Coastal Kayak Guide Training 2 credits **OR**
- Other approved instructor certification
- OER-2060 Wilderness First Responder 4 credits **OR**
- Proof of equivalent or higher level certification
- OER-2140 Ropes Course Leadership 2 credits
- OER-3070 Adventure Education Theory & Practice 3 credits
- OER-4030 Wilderness Leadership Techniques 4 credits
- PSY-2420 Group Process: Theory & Practice 3 credits

Total: 23-28 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Outdoor Education: Environmental Education (B.A.)

Bachelor of Arts in Outdoor Education

The outdoor education major is highly experiential and leads to diverse careers working with a variety of populations in outdoor settings. The program consists of a core and two concentrations: one in adventure education and wilderness leadership and the other in environmental education. The major offers students technical training in outdoor pursuits/adventure leadership and environmental education in combination with cross-disciplinary study in education, psychology and biology, and prepares students for a career or graduate study in outdoor education, outdoor recreation or environmental education.

Prior to the required internship, students must complete OER-3010 with a grade of C- or better, have junior or senior standing and obtain a recommendation from the outdoor education faculty. Students should meet with their advisors early in their program for specific details regarding the internship process.

Learning Outcomes for Outdoor Education Majors

The B.A. in outdoor education program seeks to produce graduates who can demonstrate:

- Knowledge of the historical and philosophical foundations of the field, human development, learning theories, experiential education, natural history and environmental issues;
- The ability to critically read, evaluate and synthesize literature in the field of outdoor education and carry out an original research project;
- Pedagogical skills and practical experience organizing, teaching and leading diverse populations through experiential, field-based learning opportunities;
- Knowledge of professional practices including program administration, program development, risk management, emergency procedures and awareness of industry standards, current issues and trends;

- Knowledge and skills specific to outdoor adventure pursuits and/or environmental education.

Outdoor Education Requirements

Required Courses

- One core elective chosen under advisement 3 credits
- ENV-1110 Introduction to Environmental Problems 3 credits
- ENV-2050 The Natural History of Vermont 3 credits **OR**
- BIO-2130 Natural History of the Yellowstone Plateau 3 credits
- OER-1000 Introduction to Outdoor Education 4 credits
- OER-3010 Learning in the Outdoors 4 credits *
- OER-3020 Program Planning in Outdoor Education 3 credits
- OER-4900 Research in Outdoor Education 3 credits
- PSY-1010 Introduction to Psychology 3 credits
- PSY-2070 Developmental Psychology 3 credits
- OER-4810 Internship in Outdoor Education 6-12 credits (6-12 credits)

Total: 35-41 credits

*A grade of C- is required in OER 3010.

Environmental Education Concentration

Students in this concentration will be prepared for employment in a variety of settings, including working at outdoor education, environmental and nature centers; as naturalists or interpreters in federal, state or local parks; conducting nature or environmentally-oriented activities for municipal or community recreation programs; as summer camp nature specialists; and as school and college workshop leaders and curriculum consultants. Students can also pursue advanced degrees in outdoor education and environmental education.

Required Courses

- BIO-1210 Introduction to Biology 4 credits **OR**
- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits
- BIO-2340 Fundamentals of Ecology 4 credits
- ENV-1050 Introduction to Earth Science 4 credits
- ENV-3220 Environmental Interpretation 3 credits
- ENV-3230 National Parks & Wilderness Management 3 credits
- ENV-4010 Global Environmental Issues 3 credits

Natural Science Field Course

(Choose one of the following)

- BIO-2145 Plant Biology 4 credits
- BIO-3110 Field Ornithology 3 credits
- BIO-3310 Wildlife Field Methods 4 credits
- GEY-3120 Field Geology 4 credits

Total: 24-25 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Political Science (B.A.)

The B.A. in political science is designed to develop understanding of the theoretical and practical relationship between political culture and governmental structures at the four traditional levels of political organization-local, state, national and international. Students develop the ability to compare alternative systems and to understand the actual political process at various levels. Writing and research skills are also developed, especially in seminar and independent research courses. Graduates of the program are prepared for graduate and professional study and for positions of responsibility in public and civic organizations.

Learning Outcomes for Political Science Majors

Each graduate will:

1. Have an ability to think critically and to demonstrate that ability through reading comprehension, critical analysis and oral expression.
2. Understand the theoretical relationship between political structure and governmental structures at the local, state, national and international levels.
3. Demonstrate writing and research skills in political science, identification of cause and effect relationships, evaluation of various political systems and theories; as well as skill in oral communication in debate, discussion and listening.
4. Be capable of writing papers using analytic skills, research, factual information and personal analysis.
5. Use self-evaluation to enhance the goal of becoming a critical thinker.
6. Have developed a personal assessment and career plan supported by practical internship situations that enhance the student's ability to think critically, work with others and gain field expertise.

Political Science Requirements

Required Courses

- POS-1010 Introduction to Political Science 3 credits
- POS-1020 American Politics & Government 3 credits
- POS-2050 International Economics & Politics 3 credits
- POS-2110 State & Local Government 3 credits
- POS-3010 Survey of Western Political Thought 3 credits **OR**

- POS-3025 Research Design & Analysis 3 credits
- POS-4730 Senior Seminar in Political Science 3 credits

Electives

Take 2 of the following courses:

- POS-1030 Comparative Government 3 credits
- POS-1040 African-American History & Politics 3 credits
- POS-2010 Observation of the Legislative Process 3 credits
- POS-2040 International Relations 3 credits
- POS-2810 Internship in Political Science 1-12 credits *
- POS-2910 Independent Study in Political Science 1-12 credits

Take 5 of the following courses:

- POS-3010 Survey of Western Political Thought 3 credits
(If not taken as a required course)
- POS-3025 Research Design & Analysis 3 credits
(If not taken as a required course)
- POS-3030 Contemporary Political Theory: Race, Class & Gender 3 credits
- POS-3040 The Politics of Gender 3 credits
- POS-3050 Environmental Ethics & Politics 3 credits
- POS-3060 Vermont Politics 3 credits
- POS-3070 Terrorism, Religion & the Nation-State 3 credits
- POS-3130 Church & State Separation: The First Amendment to the U.S. Constitution 3 credits
- POS-3150 Campaigns & Elections 3 credits
- POS-3160 Modern Politics through Drama & Fiction 3 credits
- POS-3170 U.S. Constitutional Law 3 credits
- POS-3180 Politics in Film 3 credits
- POS-3210 Canadian Politics 3 credits
- POS-3220 Genocide: Inhumanity Across the Ages 3 credits
- POS-3230 Third World Politics 3 credits
- POS-3270 Revolutions, Transformed Economics & Social Change 3 credits
- POS-4010 American Foreign Policy 3 credits
- POS-4020 International Relations 3 credits
- POS-4810 Internship in Political Science 1-12 credits *
- POS-4910 Independent Study in Political Science 1-12 credits
- HIS-3165 Vermont History 3 credits
- HIS-3312 Europe in the 20th Century 3 credits
- HIS-3351 English History to 1714 3 credits
- HIS-4010 History of the Middle East 3 credits
- HIS-2410 Latin American History & Culture, 3 credits (CSC course)

Total: 39 credits

* Political science faculty strongly recommend a semester-long internship with such agencies or organizations as the Vermont General Assembly or Legislative Council, state and federal agencies, newspapers and wire services, U.S. Congress, international organizations, law offices, legal aid programs, interest groups, public affairs foundations, election campaigns, etc. Such experiences often lead directly to career opportunities in these fields. Internships enable students to meet many decision-makers and are particularly valuable when integrated with seminars in political science.

Secondary Teaching License in Social Studies

Students pursuing licensure endorsement to teach Social Studies in grades 7-12 must successfully complete either the B.A. in History or the B.A. in Political Science, as well as specific teacher-education coursework and requirements. Please refer to the Secondary Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Professional Studies (B.A.)

The B.A. in Professional Studies is available only to students in the External Degree Program. This major offers adult learners the option of designing a plan of study to pursue a special career or other interest not available through JSC's other majors. It also allows EDP students, who may have college credits from a number of institutions and life experience, to weave together the threads of their prior learning into a coherent degree program. Students are asked to declare and explore an area of special emphasis while meeting the EDP general education and other requirements for a bachelor's degree.

Requirements

- At least 60 credits required before entrance into EDP and the major.
- Completion of the EDP's general education program.
- During the student's first semester, development and submission of a degree plan, including a narrative that declares a focus of study and demonstrates integration of prior learning and proposed courses.
- Completion of at least 30 credits in a focus area of study, including INT 4950 , Senior Seminar in Professional Studies.
- Completion of at least 15 upper-level credits (3000- or 4000-level) within the 30-credit focus area.

Note: It is not possible to do a minor along with the major in professional studies unless the credits for the minor are in addition to the 120 credits required for a bachelor's degree.

Learning Outcomes for Professional Studies Majors

Students will be able to:

- Plan a coherent, individualized program of study with a clear focus and in keeping with their personal goals.
- Demonstrate bachelor's-level knowledge in one or more fields of interest.
- Demonstrate connections between theoretical learning and practical experience in relation to the field of interest.
- Demonstrate an ability to reflect upon and synthesize key aspects of the learning experience in the program.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Psychology (B.A.)

Psychology majors explore a wide range of theories concerning human behavior, development, thought, emotion, learning, intelligence, personality, group dynamics and abnormal behavior. Through course work and a variety of fieldwork opportunities, students are encouraged to use what they learn toward understanding themselves and their relationships. A variety of electives are offered to help students explore different job possibilities, such as working with the chronically mentally ill, organizational psychology, addictions, art therapy, forensic psychology, and working with children and families. Psychology provides excellent preparation for many careers, not only in the psychology field, but in any position in which knowledge of human behavior would be useful.

Acceptance of transfer credits for purposes of satisfying major and minor program requirements is subject to the discretion of the department. This includes, but is not limited to, the length of time that has elapsed since the credits were earned.

Learning Outcomes for Psychology Majors

Students majoring in psychology will be provided the opportunity to learn content knowledge basic to understanding the field of psychology, interpersonal communication skills, and the practical application of this knowledge and these skills.

Psychology Requirements

Required Courses

Core Courses

- PSY-1010 Introduction to Psychology 3 credits
- PSY-2040 Social Psychology 3 credits
- PSY-2070 Developmental Psychology 3 credits
- MAT-2030 Probability & Statistics 3 credits
- PSY-2410 Research Methods in Psychology 3 credits
- PSY-2420 Group Process: Theory & Practice 3 credits
- PSY-3010 Theories of Personality 3 credits
- PSY-3065 Abnormal Behavior 3 credits
- PSY-4010 Biological Psychology 3 credits
- PSY-4770 Senior Seminar in Psychology 1 credits
- PSY-4810 Internship in Psychology 1-12 credits

Electives (15 credits required)

- PSY-3030 Organizational Psychology 3 credits
- PSY-3230 Psychology of Gender 3 credits

- PSY-3250 Multicultural Psychology 3 credits
- PSY-3330 Psychology of Addictions 3 credits
- PSY-3360 Cognitive & Behavioral Psychology 3 credits
- PSY-4080 Psychology & the Civil War 3 credits
- PSY-4090 Controversial Issues in Psychology 3 credits
- PSY-4125 The Evolution of Psychology 3 credits
- PSY-4760 Topical Seminar in Psychology 3 credits **
- PSY-4810 Internship in Psychology 1-12 credits (1-3 credits) *
- PSY-4910 Independent Study in Psychology 1-12 credits (3 credits)
- SOC-3060 Sexuality & Intimacy 3 credits
- SOC-4010 Family Violence 3 credits
- AHS-4030 Psychology of Sports & Exercise 3 credits
- ANT-3130 Culture & Personality 3 credits
- ANT-4010 Anthropology of Death 3 credits
- BIO-3160 Animal Behavior 4 credits

Total: 46 credits

*Psychology internships must be arranged the semester prior to which they are to occur and must be included in the Plan of Study. The required internship must be taken concurrently with the Senior Seminar. Students completing the Health & Sport Psychology concentration are required to complete their internship in an area/setting relevant to health and sport psychology.

**Different topics rotate through the course; each may be taken for elective credit toward the major.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Psychology: Health & Sport Psychology (B.A.)

Core Courses

- PSY-1010 Introduction to Psychology 3 credits
- PSY-2040 Social Psychology 3 credits
- PSY-2070 Developmental Psychology 3 credits
- MAT-2030 Probability & Statistics 3 credits
- PSY-2410 Research Methods in Psychology 3 credits
- PSY-2420 Group Process: Theory & Practice 3 credits
- PSY-3010 Theories of Personality 3 credits
- PSY-3065 Abnormal Behavior 3 credits
- PSY-4010 Biological Psychology 3 credits
- PSY-4770 Senior Seminar in Psychology 1 credits *
- PSY-4810 Internship in Psychology 1-12 credits (3 credits) *

* Psychology internships must be arranged the semester prior to which they are to occur and must be taken concurrently with the Senior Seminar and included in the plan of study. Students completing the Health & Sport Psychology concentration must complete their internship in an area/setting relevant to this field.

Health & Sport Psychology Concentration

In addition to the eleven courses required for the psychology core above, students completing the concentration in Health & Sport Psychology must complete the following, which satisfies the psychology elective requirement as well:

- AHS-4030 Psychology of Sports & Exercise 3 credits
- AHS-4110 Psychophysiology of Stress 3 credits
- AHS-4025 Health Behavior: Change & Adherence 3 credits

Choose two of the following courses (6-7 credits):

- AHS-1010 Contemporary Health Issues 3 credits
- AHS-3120 Kinesiology 3 credits
- AHS-3230 Physiology of Exercise 4 credits
- BIO-3180 Nutrition 3 credits
- SOC-3080 Wellness & Alternative Medicine 3 credits

Total: 15-16 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Studio Arts (B.F.A.)

The BFA in Studio Arts degree offers a solid background in traditional studio media while at the same time entering the latest in digital art technology. Students get a firm foundation in drawing, painting, sculpture, digital media and art history, with additional electives in photography, printmaking and ceramics. Students go on to create their own self-designed concentration. Admission to the program (generally in the sophomore or junior year) must be followed by a minimum of three semesters of studio work before the thesis exhibition. A student is admitted into the program only upon recommendation by the studio arts faculty and approval by the chairperson, following a successful portfolio review. All majors must participate in the monthly BFA critiques held in the Visual Arts Center Gallery. Each candidate for the BFA must present an exhibition and gallery talk during the final year of study. This exhibit is prepared under the guidance and supervision of the art faculty and must demonstrate proficiency in a chosen area of concentration. Once admitted into the BFA program via their BFA review, students must achieve grades of B- or higher in all ART and ARH courses.

Learning Outcomes for Studio Arts Majors

In addition to the outcomes for the B.A. in art, students with a B.F.A. in studio arts should also be able to:

1. Be familiar with the professional art world, from the perspective of career options, including exhibition venues, graduate school and grant opportunities.

2. Assemble a professional portfolio.
3. Understand the mechanics of setting up a safe and functioning studio.
4. Know how to do a professional exhibition of their art, write about their art and speak about their art at a public event.

Studio Arts Requirements

Required Courses

- ARH-2010 Survey of Western Traditions in Art 3 credits
- ARH-2060 Survey of Non-Western Traditions in Art 3 credits
- ART-1011 Drawing I 3 credits
- ART-1140 Design 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- ART-2211 Painting I 3 credits
- ART-2251 Sculpture I 3 credits

Subtotal: 21 credits

Introductory Studio Electives

(Select two courses)

- ART-1231 Ceramics I 3 credits
- ART-2150 Jewelry & Metalsmithing 3 credits
- ART-2301 Photography I 3 credits
- ART-2410 Introduction to Printmaking 3 credits

Subtotal: 6 credits

Advanced Art History Electives

(Select two courses)

- ARH-3015 Greek & Roman Art 3 credits
- ARH-3020 Art of the Renaissance 3 credits
- ARH-3060 Twentieth Century Art 3 credits
- ARH-3110 The Spiritual in Non-Western Art 3 credits
- ARH-3120 Art Criticism 3 credits
- ARH-3130 The History of Photography 3 credits
- ARH-3140 African Art 3 credits
- ARH-3150 Art of the Human Body 3 credits
- ARH-3210 Women in Art 3 credits
- ARH-4710 Special Topics in Art History 3 credits

Subtotal: 6 credits

Advanced Studio Electives

(Select 6 courses)

(All advanced studio courses may be repeated for credit. See below.)

- ART-3031 Life Drawing 3 credits
- ART-3032 Advanced Drawing 3 credits
- ART-3040 Landscape Painting 3 credits
- ART-3222 Ceramics II 3 credits
- ART-3314 Advanced Printmaking 3 credits
- ART-3320 Monoprints 3 credits
- ART-4020 Advanced Digital Media 3 credits
- ART-4040 Advanced Photography 3 credits
- ART-4050 Advanced Painting 3 credits
- ART-4060 Advanced Digital: Graphic Design 3 credits
- ART-4070 Advanced Digital: Web Design for Artists 3 credits
- ART-4110 Visual Art & Performance 3 credits
- ART-4130 Advanced Sculpture 3 credits
- ART-4710 Special Topics in Art 3 credits

Subtotal: 18 credits

Required Capstone Courses:

- ART-4120 B.F.A. Project & Exhibit 3 credits
- ARH-4720 Seminar in Contemporary Art Issues 3 credits
- ART-4730 B.F.A. Seminar 3 credits

Subtotal: 9 credits

Total: 60 credits

- *Students may take the same Advanced Studio course more than once, but no more than twice with the SAME professor unless given special permission by the department chair.*
- *Grades for BFA Thesis Exhibition will be determined by the thesis advisor in consultation with the full department.*
- *Once admitted into the BFA program via their BFA Review, students must achieve grades of B- or higher in all ART and ARH courses.*

Art Education (PreK-12) Teaching Endorsement

Students pursuing a license to teach art in grades PreK-12 must complete either the B.A. in Art or the B.F.A. in Studio Arts as well as specific teacher-education coursework and requirements. Please refer to the Unified Arts Teacher License Endorsement section for details.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Technical Theater (A.A.)

This career-oriented program includes course work in technical theater skills (stagecraft, lighting and design, music and audio engineering), studio and performing arts, and general management; an internship is required.

Learning Outcomes for Technical Theater Majors

Competency #1: Awareness of and Competency in 21st Century Literacies

Students will:

1. Be able to produce an electronic portfolio of their learning journey, specifically focused on the degree program, in hopes it will become a lifelong process.
2. Demonstrate creativity and collaboration.
3. Expand their global awareness and exposure to diversity and communities.
4. Be able to use information and computer technology.
5. Have an increased civic and economic awareness.
6. Demonstrate basic quantitative reasoning and skills, especially geospatial literacy.
7. Have opportunities to develop leadership.
8. Develop their personal learning network.
9. Be employable in a 21st-century work environment.
10. Be aware of the environmental implications of their discipline.

Competency #2: General Backstage Knowledge and Aptitude

Students will:

1. Demonstrate knowledge of stage etiquette, correct communication and nomenclature.
2. Demonstrate safety and hazard awareness.
3. Understand the organization structure of the theater, related job descriptions, and fulfilling their position(s) within.
4. Consistently exhibit professional attitude, attendance and behavior.
5. Students will collaborate and communicate productively with the crew.

Competency #3: Basic Stage Carpentry Skills

Students will:

1. Demonstrate knowledge of the fly system: loading, mechanics, safety and flying.
2. Understand sight lines, trims, proper handling of masking and drops.
3. Understand basic rigging: knots, shackles, slings, wire clamps, etc.
4. Understand basic set assembly: basic tools and safety, flats and platform, construction, jacks, pipe structures, etc.
5. Load-in, set-up and load-out road shows of all types.

6. Collaborate and communicate productively with a diversity of visions.

Competency #4: Basic Knowledge of Stage Lighting and Set Design and Implementation for Theater, Music and Dance

Students will:

1. Analyze a script, present a storyboard or creative interpretation and concept of the design.
2. Draft a lighting plot, with all related paper work: patch, instrument schedule, cut list, focus chart, etc.
3. Understand WYSIWYG and Emphasis software.
4. Operate, design with and understand intelligent fixtures and other DMX accessories.
5. Understand stage electrics: safety, loads, instruments, maintenance, read, hang, circuit, focus, color and trouble shoot a plot.
6. Demonstrate basic board skills: load a plot, patch, record Q's, Subs and operate.
7. Design a show: document collaboration from concept to actualization.

Competency #5: Basic Knowledge of Sound Systems, Be Able to Set Up, Understand Components, Operate for Theater, Music and Dance

Students will:

1. Understand and use Digital Performer software and other Audio programs.
2. Have a basic understanding of sound theory including EQ, decibels, frequencies, etc.
3. Understand basic system set-ups: Diben, Performance Space and Andy Shapiro Recording Studio, including: power, tie-ins, FOH, Monitors, Amps, crossover and drive rack configurations.
4. Design sound plots with speaker and mic placement, theory and practice, in each genre.
5. Mix live and for recording when possible for all genres: rock, classical, jazz, folk, pop, theater and musical theater.
6. Be able to set up headsets, hard of hearing systems, lectures, etc., independently.
7. Load-in, set-up and load-out different road shows.
8. Collaborate and communicate productively with a diversity of visitors.

Required Courses

- THA-1041 Introduction to Theater Arts 3 credits
- THA-1111 Stagecraft 3 credits
- THA-2020 Theater Lab 3 credits (12 credits) (4 times; 2 upper-level, 2 lower-level)
- THA-2810 Internship in Theater 1-12 credits (6 credits)
- THA-3130 Introduction to Scene Design & Stage Lighting 3 credits

Career Concentration Component

This component permits students to customize and focus their studies. Students must complete all course work listed within at least one of the following clusters and must complete 12 credits in all:

Performing Arts

(Take 3 of the following courses)

- THA-1040 Interpreting Contemporary Dramatic Literature 3 credits
- THA-2030 Costume History & Design 3 credits
- THA-2035 Costume Construction & Stage Makeup 3 credits

- THA-2121 Acting I 3 credits **AND**
- THA-2121L Acting I Lab 1 credits *

Business Management

- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2140 Personal Finance 3 credits
- BUS-2410 Human Resource Management 3 credits

Computer Information Systems

- CIS-2220 Website Design 3 credits
- CIS-3040 Database 3 credits
- CIS-4120 Systems Analysis & Design 3 credits

Music & Audio Technology

- MUS-2160 Introduction to Technology in Music 2 credits (3 credits)
- MUS-2231 Studio Recording I 3 credits
- MUS-3272 Studio Recording II 3 credits

Fine & Studio Arts

- ARH-2010 Survey of Western Traditions in Art 3 credits
- ART-1011 Drawing I 3 credits
- ART-1140 Design 3 credits

Total: 43 credits

**Students registering for THA-2121 Acting I must also register for the THA-2121L Acting I Lab for 1 credit.*

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Theater & Drama (B.A.)

The B.A. in Theater and Drama is designed to serve students who aspire to become theater performers, teachers, theater technicians and managers or those who wish simply to gain a broader knowledge and understanding of themselves and the world around them as part of a strong liberal arts education. It also prepares students for graduate work.

Learning Outcomes for Theater & Drama Majors

1. Students will articulate their grasp of the many facets of theater, including its history, literature and performance, through writing, speech and their own performance.
2. Students will acquire the verbal and writing skills necessary to master the processes of analysis, criticism and interpretation unique to theater and, yet, interdisciplinary as well.
3. Students will develop their skills in acting, directing, design and management both on and offstage and in the classroom, making the link between the "page" and the "stage."
4. Students will be prepared to succeed in the professional world of theater, in graduate school, teaching or working in community settings.
5. Students will collaborate with fellow students and faculty in developing their own levels of focus, discipline and responsibility within a creative environment.

Theater & Drama Requirements

Required Courses

- THA-1040 Interpreting Contemporary Dramatic Literature 3 credits
- THA-1041 Introduction to Theater Arts 3 credits
- THA-2121 Acting I 3 credits
- THA-2121L Acting I Lab 1 credits *

Subtotal: 10 credits

**Students registering for THA-2121 Acting I must also register for the THA-2121L Acting I Lab for 1 credit.*

Historical & Literary Studies

- THA-2030 Costume History & Design 3 credits
- THA-3010 Shakespeare: On the Stage & On the Page 3 credits
- THA-3110 Dramatic Literature: Classical/Modern 3 credits
- THA-3140 Theater History 3 credits

Subtotal: 12 credits

Production & Performance Skills

- THA-1111 Stagecraft 3 credits
- THA-2122 Acting II 3 credits
- THA-3210 Introduction to Directing 4 credits

Subtotal: 10 credits

Elective

(select 1 course from the following)

- DAN-2030 Improvisation/Composition: Intermediate/Advanced Level 4 credits
- DAN-3030 Improvisation/Composition: Intermediate/Advanced Level 4 credits
- DAN-3010 The Renaissance Spirit 3 credits
- THA-2035 Costume Construction & Stage Makeup 3 credits
- THA-3030 Children's Theater 3 credits
- THA-3040 Improvisation for Actors 3 credits
- THA-3123 Acting III 3 credits

Subtotal: 3-4 credits

Laboratory Experiences

- THA-2040 Performance & Production Lab 3 credits **OR**
- THA-4010 Performance & Production Lab 3 credits

Subtotal: 3 credits

Capstone Courses

- THA-4720 Senior Project in Theater 3 credits **
- THA-4730 Seminar in Professional Preparation for the Actor 3 credits

Subtotal: 6 credits

Total: 44-45 credits

*** If students elect to direct their own theater production as their senior project, THA-3150 Introduction to Stage Management, and THA-3210 Introduction to Directing, will be pre-requisites for their senior project.*

Theater Arts Education (PreK-12) Teaching Endorsement

Students pursuing teaching endorsement in theater arts education must complete the B.A. in Theater & Drama, additional teacher education core program requirements, unified arts education program coursework and unified arts education endorsement-specific coursework. Please refer to the Education Department section of this catalog for specific requirements.

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Wellness & Alternative Medicine (B.S.)

This interdisciplinary major uses a societal, cultural, biochemical and global framework to investigate the history, principles and scientific evidence for the safety and effectiveness of diverse modalities to heal disease and to create wellness. Alternative medicine is defined as "healing practices and health care systems not routinely studied in our conventional allopathic medical schools that train our physicians." Examples include Chinese medicine, naturopathy, acupuncture, herbalism, homeopathy, ayurveda, massage, meditation, yoga, biofeedback, chiropractic, Native American healing, shamanism, nutrition, self-care, lifestyle, exercise and energy medicine. Alternative medicine is also called complementary, folk, natural, holistic, mind/body, integrative and functional medicine - each term suggesting a unique approach to this exciting field of "new medicine." Students begin with the study of conventional allopathic medicine in the U.S. and then explore alternative medical models from around the world. Curricular guidelines follow protocols set by the National Institutes of Health National Center for Complementary and Alternative Medicine, by allopathic medical school pre-entry requirements for future physicians and by pre-entry requirements for students going on to alternative medical careers. This curriculum is flexible, allowing students to focus their degree on personal and career goals. Students graduate with career options to work in entry-level careers in the wellness and fitness industry, in hospital employee assistance programs, in social assistance programs, in the diet and supplements industry and as assistants to alternative medical practitioners. While completing their degree, students may also elect to co-enroll in certification programs to become a massage therapist, yoga instructor, reiki master or Ayurvedic consultant. Other students go on to medical school to become physicians and nurses or go on to alternative medical graduate study for over 150 alternative medical careers that include chiropractors, naturopathic physicians, Chinese medical doctors, ayurvedic physicians or homeopathic doctors.

Learning Outcomes for Wellness & Alternative Medicine Majors

1. Students will demonstrate interdisciplinary knowledge of the behavioral and biological evolution, principles and scientific evidence for the healing claims of conventional allopathic medicine and of diverse multicultural alternative health care systems.
2. Students will develop integrative critical thinking and investigative and evaluative skills for making optimal health care choices through scientific comparison of healing and wellness claims of diverse health care models.
3. Students will demonstrate their competency as multilingual integrative health care translators who are fluent in the concepts, principles and integration of multicultural models of health care and who assist professionals in the comparison of diverse sources of evidence for healing claims.
4. Students will prepare for alternative and allopathic medical careers as integrative physicians, nurses, nurse practitioners, Chinese medical doctors, naturopaths, chiropractors, massage therapists, health research scientists, epidemiologists and health policy planners.

Wellness & Alternative Medicine Requirements

Required Courses

Core Courses

Students take all courses in the core with the exception of those grouped courses marked with an asterisk* below where students generally choose one course.

- AHS-1010 Contemporary Health Issues 3 credits
- AHS-4110 Psychophysiology of Stress 3 credits
- ANT-4020 Multicultural Health, Illness & Healing 3 credits
- BIO-2011 Human Anatomy & Physiology I 4 credits

- BIO-2012 Human Anatomy & Physiology II 4 credits
- BIO-3180 Nutrition 3 credits
- CHE-1031 General Chemistry I 4 credits
- SOC-1040 Integrative Health & Professional Series 1 credits
- SOC-3080 Wellness & Alternative Medicine 3 credits
- SOC-3230 Alternative Medicine, Science & Disease 3 credits

ANT/SOC/AHS

- SOC-2810 Internship in Sociology 1-12 credits (1 credit) **OR**
- SOC-4810 Internship in Sociology 1-12 credits (1 credit)

- SOC-4740 Senior Integrative Health Care Seminar 1 credits

Behavioral Sciences*

(Choose one of the following)

- ANT-1010 Introduction to Cultural Anthropology 3 credits
- PSY-1010 Introduction to Psychology 3 credits
- SOC-1010 Introduction to Sociology 3 credits

Biological Sciences*

(Choose either BIO 1210 [4 credits] or BIO 1211 & BIO 1212 [8 credits])

- BIO-1210 Introduction to Biology 4 credits
- OR**
- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits **AND**
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits

Drugs, Herbs & Pharmacology*

(Choose one of the following)

- SOC-2050 Drugs, Herbs & Society 3 credits
- AHS-3050 Introduction to Pharmacology 3 credits

Health Diversity, Global Health Policy, Spirituality & Consciousness*

(Choose one of the following)

- SOC-4030 Global Health, Diversity & Policy 3 credits
- ANT-3020 Religion, Culture & Alternate Realities 3 credits

Core Total: 46-50 credits

Wellness & Alternative Medicine Electives

(Take Any 12 Credits)

Note: Students may elect to design with their advisor their own course of study through co-enrolling in certifications or taking related courses that meet their WAM program goals. Also, students who require classes not shown below for post-graduate or certification requirements may request appropriate substitutions from their advisor.

- AHS-2010 Mindfulness Meditation 3 credits
- AHS-2130 Strength & Conditioning 3 credits
- AHS-3010 Therapeutic Massage 3 credits
- AHS-3050 Introduction to Pharmacology 3 credits (*If not taken as a core class*)
- AHS-3230 Physiology of Exercise 4 credits
- ANT-3020 Religion, Culture & Alternate Realities 3 credits (*If not taken as a core class*)
- ANT-4010 Anthropology of Death 3 credits
- BIO-3130 Cellular Biology: A Molecular Approach 4 credits
- BIO-3280 Environmental Toxicology 4 credits
- CHE-1032 General Chemistry II 4 credits
- CHE-3111 Organic Chemistry I 4 credits
- CHE-3112 Organic Chemistry II 4 credits
- DAN-1030 Body Awareness 3 credits
- DAN-3032 Body Awareness II 3 credits (EDP)
- ENV-4010 Global Environmental Issues 3 credits
- INT-3130 Compassion & You: An Introduction to Mahayana Buddhism 3 credits
- OER-1060 Ropes Course 1 credits
- OER-2060 Wilderness First Responder 4 credits
- PHY-1041 Physics I 4 credits
- POS-3050 Environmental Ethics & Politics 3 credits
- PSY-2070 Developmental Psychology 3 credits
- PSY-3330 Psychology of Addictions 3 credits
- PSY-4010 Biological Psychology 3 credits
- SOC-3020 Environment & Society 3 credits
- SOC-3060 Sexuality & Intimacy 3 credits
- SOC-4010 Family Violence 3 credits
- SOC-4030 Global Health, Diversity & Policy 3 credits (*If not taken as a core class*)

Total: 58-62 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Teaching Endorsement

Secondary Teacher License Endorsement

Johnson State College offers Secondary Teacher Education Programs that prepare students to teach in their area of endorsement -- **English, mathematics, science or social studies** -- to students in grades PreK-12. Graduates who

successfully complete one of these programs become candidates for a Level I Professional Educator's License issued by the Vermont Agency of Education. This license is required in order to work as a public school teacher in Vermont; it also is recognized and accepted by more than 40 other states, districts and territories.

All students seeking Secondary Teacher Licensure Endorsement must:

- Successfully complete all Required Teacher Education Core Courses;
- Successfully complete the Required Secondary Education Core Courses ;
- Select one of the four Secondary Education Endorsement Areas and successfully complete an approved major for that endorsement -- including all requirements for the bachelor's degree and the General Education and Graduation Requirements -- with a cumulative 3.0 GPA or better and a 3.0 GPA in the major; and
- Successfully complete the Required Content-Area Courses for their chosen area of endorsement.

With careful planning, these requirements can be met for most programs within a four-year plan of study. Most courses must be taken in a specific order; students should check advisement forms, program evaluations and prerequisites for details. Students must earn a B- or better in all courses marked with an asterisk (*). Each Teacher Education Workshop (TEW) is graded as Pass/No Pass.

Theoretical Framework & Learning Pursuits

Applying to a Teacher Education Program at JSC

Advancing through a Teacher Education Program at JSC

1. Required Teacher Education Core Courses

- EDU-TEW1 Teacher Education Workshop 1: Introduction to Teacher Education 0 credits
- EDU-TEW2 Teacher Education Workshop 2: Application for Practicum I 0 credits
- EDU-TEW3 Teacher Education Workshop 3: Application for Practicum II 0 credits
- EDU-TEW4 Teacher Education Workshop 4: Application for student teaching 0 credits
- EDU-TEW5 Teacher Education Workshop 5: Application for a Verification Check 0 credits
- EDU-2360 Perspectives on Learning in a Diverse Society 3 credits *
- EDU-2365 The Ecology of Human Experience: Development, Culture & Identity 3 credits *
- EDU-2370 The Contemporary School 3 credits *
- EDU-3311 Foundations of Inclusive Practices 3 credits *
- EDU-3440 Teaching Toward Democracy 3 credits *
- EDU-4650 Capstone & Thesis Seminar 3 credits *

Total: 18 credits

2. Required Secondary Education Core Courses

- EDU-3140 Partnering with the Adolescent Learner to Promote Student Engagement 4 credits
- EDU-3360 Promoting Inventive Thinking: Integrating Multimodal Literacy Across the Curriculum 3 credits
- EDU-4130 Implementing Content Specific Methods in a Secondary Classroom 4 credits
- EDU-4850 Secondary Education Student Teaching 12 credits

3. Required Major for Endorsement Area

In addition to the preceding courses, students must successfully complete all Required Content-Area Courses **AND** a bachelor's degree in a major approved for their area of endorsement, as specified below.

Area of Endorsement	Approved Major(s)
English Education See Required Content-Area Courses for this endorsement.	B.F.A. in Creative Writing or B.A. in English
Mathematics Education See Required Content-Area Courses for this endorsement.	B.S. in Mathematics
Science Education See Required Content-Area Courses for this endorsement.	B.A. in Biology: Field Naturalist, B.S. in Biology: General, B.S. in Biology: Pre-Medical, B.S. in Health Sciences: Health & Exercise Science, B.S. in Health Sciences: Physical Education, B.S. in Health Sciences: Pre-Physical Therapy, B.S. in Environmental Science: Analysis & Assessment, or B.S. in Environmental Science: Policy & Advocacy
Social Studies Education See Required Content-Area Courses for this endorsement.	B.A. in History or B.A. in Political Science

4. Required Content Courses for Area of Endorsement

In addition to successfully completing an approved *major or 30-credit concentration* for their area of endorsement, students must take the *content-area courses* required for their area of endorsement. Some of these courses may meet requirements for the major as well. With the approval of the Secondary Education Program Director, appropriate course substitutions may be permitted.

English Education: Required Content-Area Courses

- EDU-3032 Language, Culture, Literature, & Education 3 credits
- EDU-3100 Literacy Intervention, Assessment & Strategies 3 credits
- ENG-1310 Introduction to Literature 3 credits
- ENG-3435 Practical Grammar 3 credits
- ENG-3565 Shakespeare 3 credits
- ENG-4150 Literary Criticism & Theory 3 credits

Take 3 of the following courses:

- ENG-2172 World Literature II 3 credits
- ENG-2171 World Literature I 3 credits
- ENG-2281 Survey of English Literature I 3 credits
- ENG-2282 Survey of English Literature II 3 credits
- ENG-2283 Survey of English Literature III 3 credits
- ENG-2321 Survey of American Literature I 3 credits

- ENG-2322 Survey of American Literature II 3 credits
- ENG-2510 Women & Literature 3 credits

Take 1 of the following courses:

- ENG-2101 Creative Writing 3 credits
- ENG-3120 Poetry Workshop 3 credits
- ENG-3130 Fiction Workshop 3 credits
- ENG-4110 The Form & Theory of Fiction 3 credits
- ENG-4120 The Form & Theory of Poetry 3 credits

Take 1 of the following courses:

- ENG-3140 The Creative Essay 3 credits
- ENG-4130 The Form & Theory of Nonfiction 3 credits

Take 2 of the following literature courses:

- ENG-3270 Myth & Myth Making 3 credits
- ENG-3320 The English Novel 3 credits
- ENG-3345 Contemporary Canadian Literature 3 credits
- ENG-3380 British Romantic Literature 3 credits
- ENG-3390 Literature of the Grotesque 3 credits
- ENG-3395 Satire in Literature 3 credits
- ENG-3435 Practical Grammar 3 credits
- ENG-3480 Modern Literature 3 credits
- ENG-3510 Contemporary Literature 3 credits
- ENG-3520 American Poetry 3 credits
- ENG-3525 Victorian Literature 3 credits
- ENG-3530 The American Novel 3 credits
- ENG-3565 Shakespeare 3 credits
- ENG-3580 African American Literature 3 credits
- ENG-4720 Seminar in Literature 3 credits

Mathematics Education: Required Content-Area Courses

In addition to successfully completing B.S. in Mathematics, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Secondary Education Program Director, appropriate course substitutions may be permitted.

- MAT-1531 Calculus I 4 credits
- MAT-2020 Mathematical Reasoning 3 credits
- MAT-2030 Probability & Statistics 3 credits
- MAT-2532 Calculus II 4 credits
- MAT-3210 Linear Algebra 3 credits
- MAT-3240 Probability Theory with Statistics 3 credits
- MAT-4130 Abstract Algebra 3 credits

- MAT-4140 Geometry 3 credits

Science Education: Required Content-Area Courses

In addition to successfully completing one of the approved majors for this endorsement (the B.F.A. in Creative Writing, B.A. in Biology: Field Naturalist, B.S. in Biology: General, B.S. in Biology: Pre-Medical, B.S. in Health Sciences: Health & Exercise Science, B.S. in Health Sciences: Physical Education, B.S. in Health Sciences: Pre-Physical Therapy, B.S. in Environmental Science: Analysis & Assessment or B.S. in Environmental Science: Policy & Advocacy, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Secondary Education Program Director, appropriate course substitutions may be permitted.

- CHE-1031 General Chemistry I 4 credits
- ENV-1050 Introduction to Earth Science 4 credits
- PHY-1041 Physics I 4 credits

Take 1 of the following courses:

- BIO-1210 Introduction to Biology 4 credits
- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits

Take 1 of the following courses:

- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits
- BIO-2340 Fundamentals of Ecology 4 credits
- BIO-3260 Limnology 4 credits
- ENV-3130 Environmental Geology 4 credits

Social Studies Education: Required Content-Area Courses

In addition to successfully completing either the B.A. in History or the B.A. in Political Science, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Secondary Education Program Director, appropriate course substitutions may be permitted.

- HIS-1111 World History I 3 credits
- HIS-1112 World History II 3 credits
- HIS-1211 American History I 3 credits
- HIS-1212 American History II 3 credits

Take 1 of the following courses:

- POS-1010 Introduction to Political Science 3 credits
- POS-1020 American Politics & Government 3 credits

Take 2 of the following courses:

- ANT-1010 Introduction to Cultural Anthropology 3 credits

- GEO-1010 Introduction to Geography 3 credits
- HUM-3125 Religions of the World 3 credits
- POS-1030 Comparative Government 3 credits
- POS-2040 International Relations 3 credits
- POS-3230 Third World Politics 3 credits

Take 2 of the following courses:

- HIS-3420 French Revolution 3 credits
- INT-3210 The Holocaust: An Interdisciplinary Approach 3 credits
- POS-1040 African-American History & Politics 3 credits
- POS-3040 The Politics of Gender 3 credits
- POS-3070 Terrorism, Religion & the Nation-State 3 credits
- POS-3220 Genocide: Inhumanity Across the Ages 3 credits

Take 1 of the following courses:

- ECO-1020 Introduction to Economics 3 credits
- ECO-2020 Macroeconomics 3 credits
- ECO-2030 Microeconomics 3 credits
- POS-2050 International Economics & Politics 3 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Unified Arts Teacher License Endorsement

Johnson State College offers Unified Arts Teacher Education Programs that prepare students to teach in their area of endorsement -- **art, dance, music, physical education** or **theater arts** -- to students in grades PreK-12. Graduates who successfully complete one of these programs become candidates for a Level I Professional Educator's License issued by the Vermont Agency of Education. This license is required in order to work as a public school teacher in Vermont; it also is recognized and accepted by more than 40 other states, districts and territories.

All students seeking Unified Arts teaching licensure must:

- Successfully complete all Required Teacher Education Core Courses;
- Successfully complete the Required Unified Arts Education Core Courses;
- Select one of the five Unified Arts Endorsement Areas and successfully complete an approved major for that endorsement -- including all requirements for the bachelor's degree and the General Education and Graduation Requirements -- with a cumulative 3.0 GPA or better and a 3.0 GPA in the major; and
- Successfully complete the Required Content-Area Courses for their chosen area of endorsement.

With careful planning, these requirements can be met for most programs within a four-year plan of study. Most courses must be taken in a specific order; students should check advisement forms, program evaluations and prerequisites for details. Students must earn a B- or better in all courses marked with an asterisk (*). Each Teacher Education Workshop (TEW) is graded as Pass/No Pass.

Theoretical Framework & Learning Pursuits

Applying to a Teacher Education Program at JSC

Advancing through a Teacher Education Program at JSC

1. Required Teacher Education Core Courses

- EDU-TEW1 Teacher Education Workshop 1: Introduction to Teacher Education 0 credits
- EDU-TEW2 Teacher Education Workshop 2: Application for Practicum I 0 credits
- EDU-TEW3 Teacher Education Workshop 3: Application for Practicum II 0 credits
- EDU-TEW4 Teacher Education Workshop 4: Application for student teaching 0 credits
- EDU-TEW5 Teacher Education Workshop 5: Application for a Verification Check 0 credits
- EDU-2360 Perspectives on Learning in a Diverse Society 3 credits *
- EDU-2365 The Ecology of Human Experience: Development, Culture & Identity 3 credits *
- EDU-2370 The Contemporary School 3 credits *
- EDU-3311 Foundations of Inclusive Practices 3 credits *
- EDU-3440 Teaching Toward Democracy 3 credits *
- EDU-4650 Capstone & Thesis Seminar 3 credits *

Total: 18 credits

2. Required Unified Arts Core Courses

- EDU-3112 Instructional Dynamics for the Elementary Educator: Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Learners; Part III: Unified Arts for Diverse Learners 3 credits
- EDU-4310 The Art of Experience in Education: Designing for Engagement & Accomplishment through the Unified Arts 3 credits

3. Required Major for Unified Arts Endorsement Area

In addition to the preceding courses, students must successfully complete all Required Content-Area Courses **AND** a bachelor's degree in a major approved for their area of endorsement, as specified below.

Area of Endorsement	Approved Major(s)
Art Education See Required Content-Area Courses for this endorsement.	B.A. in Art or B.F.A. in Studio Arts
Dance Education See Required Content-Area Courses for this endorsement.	<i>Major arranged in consultation with the Unified Arts Education Coordinator</i>
Music Education See Required Content-Area Courses for this endorsement.	B.A. in Music Performance & Music Education
Physical Education See Required Content-Area Courses for this endorsement.	B.S. in Health Sciences: Physical Education

<p>Theater Arts Education See Required Content-Area Courses for this endorsement.</p>	<p>B.A. in Theater & Drama</p>
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4. Required Content Courses for Endorsement Area

In addition to successfully completing an approved *major* for their area of endorsement, students must take the *content-area courses* required for their area of endorsement. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Program Director, appropriate course substitutions may be permitted.

Art Education: Required Content-Area Courses

In addition to successfully completing either the B.A. in Art or the B.F.A. in Studio Arts, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- ARH-2010 Survey of Western Traditions in Art 3 credits
- ARH-2060 Survey of Non-Western Traditions in Art 3 credits
- ART-1011 Drawing I 3 credits
- ART-1140 Design 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- ART-2211 Painting I 3 credits
- ART-2251 Sculpture I 3 credits
- ART-3032 Advanced Drawing 3 credits
- ART-3120 Elementary Art Education Methods 3 credits
- ART-3140 Secondary Art Education Methods 3 credits
- EDU-4812 Art Student Teaching 12 credits

Additional requirement for B.A. in Art majors:

- ARH-4720 Seminar in Contemporary Art Issues 3 credits

Additional requirement for B.F.A. in Studio Arts majors:

- ART-4730 B.F.A. Seminar 3 credits

Dance Education: Required Content-Area Courses

Students seeking this endorsement consult with the Unified Arts Education Program Director to select an appropriate major. They also must take the following content-area courses, some of which may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- DAN-1010 Fundamentals of Dance 3 credits
- DAN-2040 Beginning Tap Dance 2 credits
- DAN-3020 Intermediate Ballet: Technique & History 3 credits
- DAN-3030 Improvisation/Composition: Intermediate/Advanced Level 4 credits

- DAN-3032 Body Awareness II 3 credits
- DAN-3112 Intermediate Modern Dance: Technique & History 3 credits
- DAN-3130 Jazz Dance 3 credits
- DAN-3180 Folk Dance II 3 credits
- DAN-4130 Advanced Ballet/Modern Dance: Technique & History 3 credits
- EDU-4850 Secondary Education Student Teaching 12 credits

Take 1 of the following courses:

- DAN-3010 The Renaissance Spirit 3 credits
- DAN-3210 The Emperor Ain't Naked: A History of Western European Fashion & Social Dance from the Mid- 14th Century to the Early 20th Century 3 credits

Physical Education: Required Content-Area Courses

In addition to successfully completing the B.S. in Health Sciences: Physical Education, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- AHS-1010 Contemporary Health Issues 3 credits
- AHS-3120 Kinesiology 3 credits
- AHS-3230 Physiology of Exercise 4 credits
- AHS-4030 Psychology of Sports & Exercise 3 credits
- BIO-3180 Nutrition 3 credits
- DAN-1010 Fundamentals of Dance 3 credits
- OER-2140 Ropes Course Leadership 2 credits
- PED-1150 Foundations of Physical Education 3 credits
- PED-2030 Educational Games, Dance & Gymnastics 2 credits
- PED-2040 Team Sports 2 credits
- PED-2110 Individual, Dual & Lifetime Activities 2 credits
- PED-3120 Measurement & Evaluation 3 credits
- PED-3070 Methods of Teaching Elementary Physical Education 4 credits
- PED-3140 Methods of Teaching Secondary School Physical Education 4 credits
- EDU-4812 Art Student Teaching 12 credits
- EDU-4835 Physical Education Student Teaching 12 credits

Music Education: Required Content-Area Courses

In addition to successfully completing the B.A. in Music Performance & Music Education, students must choose a concentration and take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1120 Applied Music Lessons 1 credits (2 credits) (in violin, viola, cello)

- MUS-1231 Music Theory I 3 credits
- MUS-1232 Music Theory II 3 credits
- MUS-2023 Ear Training III 1 credits
- MUS-2024 Ear Training IV 1 credits
- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (4 credits)
- MUS-2361 Instrumental Techniques I 3 credits
- MUS-2362 Instrumental Techniques II 3 credits
- MUS-3031 History of Western Music I 3 credits
- MUS-3032 History of Western Music II 3 credits
- MUS-3140 Arranging/Orchestration 3 credits
- MUS-3160 Elementary School Music Methods 3 credits
- MUS-3210 Secondary School Music Methods 3 credits
- MUS-3330 Worlds of Music 3 credits
- MUS-3401 Conducting I 3 credits
- MUS-3402 Conducting II 3 credits
- MUS-4720 Senior Recital 2 credits
- EDU-4830 Music Student Teaching 12 credits

Applied Music Lessons: 12 credits

(12 credits in one area: vocal, instrumental or music composition)

- MUS-1120 Applied Music Lessons 1 credits
- MUS-1120L Applied Music Lesson Lab 0 credits
- MUS-3240 Applied Music Lessons 2 credits
- MUS-4030 Applied Music Lessons 3 credits

Additional requirements for the Classical concentration:

- MUS-2053 Keyboard Harmony III 1 credits
- MUS-2054 Keyboard Harmony IV 1 credits
- MUS-2313 Music Theory III 3 credits
- MUS-2314 Music Theory IV 3 credits

Additional requirements for the Jazz/Contemporary concentration:

- MUS-2013 Jazz/Contemporary Theory & Improvisation III 3 credits
- MUS-2014 Jazz/Contemporary Theory & Improvisation IV 3 credits
- MUS-2211 Jazz/Contemporary Keyboard III 1 credits
- MUS-2212 Jazz/Contemporary Keyboard IV 1 credits
- MUS-3040 Jazz in America 3 credits

Theater Arts: Required Content-Area Courses

In addition to successfully completing the B.A. in Theater & Drama, students must take the following content-area courses. Some of these courses may meet requirements for the major as well. With the approval of the Unified Arts Education Program Director, appropriate course substitutions may be permitted.

- THA-1040 Interpreting Contemporary Dramatic Literature 3 credits
- THA-1041 Introduction to Theater Arts 3 credits
- THA-1111 Stagecraft 3 credits
- THA-2030 Costume History & Design 3 credits
- THA-2035 Costume Construction & Stage Makeup 3 credits
- THA-2040 Performance & Production Lab 3 credits
- THA-2121 Acting I 3 credits
- THA-2121L Acting I Lab 1 credits
- THA-2122 Acting II 3 credits
- THA-3010 Shakespeare: On the Stage & On the Page 3 credits
- THA-3030 Children's Theater 3 credits
- THA-3110 Dramatic Literature: Classical/Modern 3 credits
- THA-3123 Acting III 3 credits
- THA-3130 Introduction to Scene Design & Stage Lighting 3 credits
- THA-3140 Theater History 3 credits
- THA-3150 Introduction to Stage Management 3 credits
- THA-3210 Introduction to Directing 4 credits
- THA-4720 Senior Project in Theater 3 credits
- EDU-4850 Secondary Education Student Teaching 12 credits

Important:

In order to earn a degree, you must successfully complete all requirements for your major as listed here *AND* all other Degree Requirements, including General Education requirements, and meet the JSC Graduation Standards.

Minor

Adventure Education Minor

Minimum of one OER Skills Course .5-3 credits

Choice of:

- OER-1030 Outdoor Education Activities 0.5 credits (Snowshoeing)
- OER-1030 Outdoor Education Activities 0.5 credits (Cross-Country Skiing)
- OER-1030 Outdoor Education Activities 0.5 credits (Intro to River Kayaking)
- OER-1030 Outdoor Education Activities 0.5 credits (Fly-fishing)
- OER-1050 Hiking & Camping 1 credits
- OER-1131 Rock Climbing I 1 credits
- OER-1060 Ropes Course 1 credits
- OER-1070 Orienteering 1 credits
- OER-1161 Whitewater Kayaking 1 credits
- OER-1162 Coastal Kayaking 1 credits
- OER-1170 Ice Climbing 1 credits
- OER-2080 Advanced Rock Craft 2 credits
- Wilderness Canoe Training

- OER-3150 Winter Expedition 3 credits

One Instructor-Level OER (2 credits)

Choice of:

- OER-2050 Rock Climbing Instructor 2 credits
- OER-2140 Ropes Course Leadership 2 credits
- OER-1165 Coastal Kayak Guide Training 2 credits
- Other approved instructor certification course 2 credits

Additional Required Courses

- OER-1000 Introduction to Outdoor Education 4 credits
- OER-1061 Backpacking 1 credits
- OER-2060 Wilderness First Responder 4 credits
- OER-2062 Advanced Backpacking 2 credits
- OER-3070 Adventure Education Theory & Practice 3 credits
- OER-4030 Wilderness Leadership Techniques 4 credits

Total: 20.5-23 credits

Anthropology & Sociology Minor

Required Courses

- ANT-1010 Introduction to Cultural Anthropology 3 credits
- SOC-1010 Introduction to Sociology 3 credits

- SOC-4020 Sociological Theory 3 credits **OR**
- ANT-3110 Development of Anthropological Thinking 3 credits

Electives: 9 credits

- Three ANT/SOC - courses, at least 2 must be at the 3000 or 4000 level

Total: 18 credits

Art History Minor

Required Courses

- ARH-2010 Survey of Western Traditions in Art 3 credits
- ARH-2060 Survey of Non-Western Traditions in Art 3 credits

Subtotal: 6 credits

Introductory Studio Electives (select two courses):

- ART-1011 Drawing I 3 credits
- ART-1231 Ceramics I 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- ART-2150 Jewelry & Metalsmithing 3 credits
- ART-2211 Painting I 3 credits
- ART-2251 Sculpture I 3 credits
- ART-2301 Photography I 3 credits
- ART-2410 Introduction to Printmaking 3 credits

Subtotal: 6 credits

Advanced Art History Electives (select three courses):

- ARH-3015 Greek & Roman Art 3 credits
- ARH-3020 Art of the Renaissance 3 credits
- ARH-3060 Twentieth Century Art 3 credits
- ARH-3110 The Spiritual in Non-Western Art 3 credits
- ARH-3120 Art Criticism 3 credits
- ARH-3130 The History of Photography 3 credits
- ARH-3140 African Art 3 credits
- ARH-3150 Art of the Human Body 3 credits
- ARH-3210 Women in Art 3 credits
- ARH-4710 Special Topics in Art History 3 credits
- ARH-4720 Seminar in Contemporary Art Issues 3 credits

Subtotal: 9 credits

Total: 21 credits

Arts Management Minor for Fine & Performing Arts Majors

Required Courses

- ACC-2121 Financial Accounting 4 credits
- ACC-2122 Managerial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-2410 Human Resource Management 3 credits
- CIS-1430 Spreadsheets 3 credits

- ECO-1020 Introduction to Economics 3 credits **OR**

- ECO-2020 Macroeconomics 3 credits **OR**
- ECO-2030 Microeconomics 3 credits

Total: 23 credits

Biology Minor

Required Courses

- BIO-1211 Introduction to Biology: Ecology & Evolution 4 credits
- BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life 4 credits
- Plus a minimum of 16 biology credits to consist of four 2000- level or higher biology courses of which at least two are at the 3000-4000 level. 16 credits

Total: 24 credits

Business Minor

This minor is available to non-Business majors only. All course choices and sequences should be discussed with an advisor in the Department of Business & Economics.

Required Courses

- ACC-2121 Financial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2140 Personal Finance 3 credits
- BUS-2230 Principles of Marketing 3 credits
- CIS-1410 Intermediate Spreadsheets 3 credits
- ECO-2020 Macroeconomics 3 credits

Take 2 of the following courses:

- BUS-3050 Principles of Sales 3 credits
- BUS-3060 Consumer Behavior 3 credits
- BUS-3070 Public Relations 3 credits
- BUS-3110 Ski Area Management & Design 3 credits
- BUS-3131 Business Law I 3 credits
- BUS-3150 Production/Operations Management 3 credits
- BUS-3210 Advertising 3 credits
- BUS-3230 Financial Management 3 credits
- BUS-3250 Organizational Behavior & Management 3 credits
- BUS-3310 Greening the Business Environment 3 credits
- BUS-3370 Business Organizational Communications 3 credits
- BUS-3390 Career Planning & Management 3 credits
- BUS-3420 Athletic Facility & Event Management 3 credits

- BUS-3430 Sport & Society 3 credits
- BUS-3910 Leadership & Quality 3 credits
- BUS-4030 Marketing Research 3 credits
- BUS-4070 Strategic Decision Making 3 credits
- BUS-4320 Sport Promotion & Branding 3 credits

Total: 25-26 credits

Chemistry Minor

Required Courses

- CHE-1031 General Chemistry I 4 credits
- CHE-1032 General Chemistry II 4 credits
- CHE-XXXX Two additional upper-level CHE courses 8 credits
- ENV-1110 Introduction to Environmental Problems 3 credits

Total: 19 credits

A chemistry minor is not permitted for students who are seeking a B.S. degree in biology.

Creative Writing Minor

Required Courses

- ENG-2101 Creative Writing 3 credits

Writing Workshops (choose 2)

- ENG-3120 Poetry Workshop 3 credits
- ENG-3130 Fiction Workshop 3 credits
- ENG-3140 The Creative Essay 3 credits

Form & Theory Course (choose 1)

- ENG-4110 The Form & Theory of Fiction 3 credits
- ENG-4120 The Form & Theory of Poetry 3 credits
- ENG-4130 The Form & Theory of Nonfiction 3 credits

Literature Survey Courses (choose 3)

- ENG-2171 World Literature I 3 credits
- ENG-2172 World Literature II 3 credits
- ENG-2281 Survey of English Literature I 3 credits

- ENG-2282 Survey of English Literature II 3 credits
- ENG-2283 Survey of English Literature III 3 credits
- ENG-2321 Survey of American Literature I 3 credits
- ENG-2322 Survey of American Literature II 3 credits
- ENG-2510 Women & Literature 3 credits

Upper-level Literature Course (choose 1)

- ENG-3320 The English Novel 3 credits
- ENG-3345 Contemporary Canadian Literature 3 credits
- ENG-3380 British Romantic Literature 3 credits
- ENG-3390 Literature of the Grotesque 3 credits
- ENG-3395 Satire in Literature 3 credits
- ENG-3480 Modern Literature 3 credits
- ENG-3510 Contemporary Literature 3 credits
- ENG-3525 Victorian Literature 3 credits
- ENG-3530 The American Novel 3 credits
- ENG-3565 Shakespeare 3 credits
- ENG-3580 African American Literature 3 credits
- ENG-4720 Seminar in Literature 3 credits

Total: 24 credits

Dance Minor

The minor in dance exposes students to the vital aspects of the art as performers, creators and observers. Courses provide students with a conceptual, historical and technical background. Advanced students may become members of the Johnson Dance Ensemble, our student dance company or may have the opportunity to become an apprentice in the Vermont Dance Collective.

Required Courses

The dance minor consists of a minimum of 24 credits selected from the following courses:

- DAN-1010 Fundamentals of Dance 3 credits
- DAN-1111 Modern Dance 3 credits
- DAN-2010 Folk Dance 3 credits
- DAN-2030 Improvisation/Composition: Intermediate/Advanced Level 4 credits
- DAN-2131 Ballet 3 credits
- DAN-3020 Intermediate Ballet: Technique & History 3 credits
- DAN-3030 Improvisation/Composition: Intermediate/Advanced Level 4 credits
- DAN-3112 Intermediate Modern Dance: Technique & History 3 credits
- DAN-3130 Jazz Dance 3 credits
- DAN-4130 Advanced Ballet/Modern Dance: Technique & History 3 credits

Total: 24 credits

Environmental Education Minor

Required Courses

- ENV-1050 Introduction to Earth Science 4 credits
- ENV-1110 Introduction to Environmental Problems 3 credits
- ENV-3220 Environmental Interpretation 3 credits
- ENV-4010 Global Environmental Issues 3 credits
- ENV-XXXX One additional upper-level ENV course 3 credits
- OER-3010 Learning in the Outdoors 4 credits

Total: 20 credits

Environmental Science Minor

The minor in environmental science provides sufficient background knowledge for students to comprehend the fundamentals of the science that frames the discussion for policy decisions and social action. The minor is appropriate for students who choose to major in business, economics, political science, biology, outdoor education or other majors offered at Johnson State College.

Required Courses

- ENV-1050 Introduction to Earth Science 4 credits
- ENV-1110 Introduction to Environmental Problems 3 credits
- ENV-3030 Water Resources 3 credits
- ENV-3040 Energy & Mineral Resources 3 credits
- ENV-XXXX Two additional upper-level ENV courses 6 credits

Total: 19 credits

French Minor

The minor in French consists of a minimum of 18 credits in French, at least six of which must be at the 3000-4000 level. Courses taken to satisfy the minor must not be required or be electives within a student's major course of study. The French minor may be gained while pursuing studies in Quebec through the New England-Quebec Program. Students may also satisfy requirements for the minor by taking FRE-4910 Independent Study in French or FRE-3010 Culture & Civilization through Correspondence & Conversation.

Gender Studies Minor

The gender studies minor combines courses in various departments in order to consider the issue of gender from different perspectives. It is designed to engage men and women students in a wide-ranging level of inquiry that combines historical and contemporary analysis of issues and problems.

Required Courses

- POS-3040 The Politics of Gender 3 credits
- POS-3050 Environmental Ethics & Politics 3 credits

Electives

(Select 4 courses):

- ENG-2510 Women & Literature 3 credits
- HIS-2210 Women in U.S. History 3 credits
- HIS-3450 Women in European History 3 credits
- POS-3030 Contemporary Political Theory: Race, Class & Gender 3 credits
- SOC-2040 Race/Ethnicity, Class & Gender 3 credits
- SOC-3060 Sexuality & Intimacy 3 credits
- SOC-3170 Power, Politics & Inequality 3 credits

Total: 18 credits

Global Studies Minor

The global studies minor is designed to address the demands brought on by the processes of globalization for students pursuing careers and/or graduate study in business, education, history, politics, public service and many other fields.

Required Courses

- HIS-1112 World History II 3 credits
- POS-1010 Introduction to Political Science 3 credits **OR**
- POS-1020 American Politics & Government 3 credits
- POS-1030 Comparative Government 3 credits **OR**
- POS-2040 International Relations 3 credits

Subtotal: 9 credits

Choose 1 non-western course from the following courses:

- HIS-3225 Latin America: Mexico to Chile; History, Politics, Cultures 3 credits
- HIS-3510 Chinese History & Culture 3 credits
- HIS-3520 Japanese History & Culture 3 credits
- HIS-4010 History of the Middle East 3 credits
- HUM-3125 Religions of the World 3 credits
- HUM-3150 People & Cultures of the Middle East & North Africa 3 credits
- HUM-3160 African Culture 3 credits
- POS-3230 Third World Politics 3 credits

Subtotal: 3 credits

Electives:

Select a minimum of 9 credits from the following courses:

- FRE-1111 French I 3 credits **AND**
- FRE-1111L French I Lab 1 credits

- FRE-1112 French II 3 credits **AND**
- FRE-1112L French II Lab 1 credits

- FRE-2011 French III 3 credits **AND**
- FRE-2011L French III Lab 1 credits

- FRE-2012 French IV 3 credits **AND**
- FRE-2012L French IV Lab 1 credits

- FRE-3010 Culture & Civilization through Correspondence & Conversation 3 credits
- HIS-3020 Greek & Roman History 3 credits
- HIS-3040 Ancient Civilizations of the New World 3 credits
- HIS-3090 Modern German History 3 credits
- HIS-3225 Latin America: Mexico to Chile; History, Politics, Cultures 3 credits
- HIS-3270 Renaissance & Reformation 3 credits
- HIS-3311 Europe in the 19th Century 3 credits
- HIS-3312 Europe in the 20th Century 3 credits
- HIS-3350 Struggle for Democracy 3 credits
- HIS-3352 English History Since 1714 3 credits
- HIS-3355 The European Enlightenment 3 credits
- HIS-3370 Nationalism & Rebellion in Irish History 3 credits
- HIS-3400 Modern French History 3 credits
- HIS-3420 French Revolution 3 credits
- HIS-3430 History of the Soviet Union 3 credits
- HIS-3450 Women in European History 3 credits
- HIS-3510 Chinese History & Culture 3 credits
- HIS-3520 Japanese History & Culture 3 credits
- HIS-4010 History of the Middle East 3 credits
- HUM-3125 Religions of the World 3 credits
- HUM-3150 People & Cultures of the Middle East & North Africa 3 credits
- HUM-3160 African Culture 3 credits
- POS-1030 Comparative Government 3 credits (if not taken as a required course above)
- POS-2040 International Relations 3 credits
- POS-2050 International Economics & Politics 3 credits
- POS-3010 Survey of Western Political Thought 3 credits
- POS-3030 Contemporary Political Theory: Race, Class & Gender 3 credits
- POS-3040 The Politics of Gender 3 credits
- POS-3050 Environmental Ethics & Politics 3 credits
- POS-3070 Terrorism, Religion & the Nation-State 3 credits
- POS-3180 Politics in Film 3 credits
- POS-3210 Canadian Politics 3 credits

- POS-3220 Genocide: Inhumanity Across the Ages 3 credits
- POS-3230 Third World Politics 3 credits
- POS-3270 Revolutions, Transformed Economics & Social Change 3 credits
- POS-4010 American Foreign Policy 3 credits
- POS-4020 International Relations 3 credits

- SPA-1011 Spanish I 3 credits **AND**
- SPA-1011L Spanish I 1 credits

- SPA-1012 Spanish II 3 credits **AND**
- SPA-1012L Spanish II 1 credits

- SPA-2011 Spanish III 3 credits **AND**
- SPA-2011L Spanish III 1 credits

- SPA-2012 Spanish IV 3 credits **AND**
- SPA-2012L Spanish IV 1 credits

Subtotal: 9 credits

Total: 21 credits

History Minor

The history minor is appropriate for students pursuing careers in teaching, public service, museum work, historic preservation, law and many other fields, as well as those planning graduate study in politics, history, English, anthropology and sociology.

Required Courses

- HIS-1111 World History I 3 credits
- HIS-1112 World History II 3 credits
- HIS-1211 American History I 3 credits
- HIS-1212 American History II 3 credits

Electives

- HIS- Upper-level European History 3 credits
- HIS- Upper-level American History 3 credits
- HIS- Upper-level history: Africa, Asia, Latin America or the Middle East 3 credits

Total: 21 credits

Literature Minor

Required Courses

Four introductory surveys selected from the following: (12 credits)

- ENG-2171 World Literature I 3 credits
- ENG-2172 World Literature II 3 credits
- ENG-2281 Survey of English Literature I 3 credits
- ENG-2282 Survey of English Literature II 3 credits
- ENG-2321 Survey of American Literature I 3 credits
- ENG-2322 Survey of American Literature II 3 credits

Three specialty courses in particular genres, periods, themes or authors

- ENG-3---/4--- Upper-level electives 9 credits

Total: 21 credits

Mathematics Minor

Students desiring a minor in mathematics must complete the following requirements:

Required Courses

- MAT-1531 Calculus I 4 credits
- MAT-2020 Mathematical Reasoning 3 credits
- MAT-2030 Probability & Statistics 3 credits
- MAT-2532 Calculus II 4 credits
- MAT-3210 Linear Algebra 3 credits

Elective

- One course: either MAT-2533 or any mathematics course at the 3000/4000 level.

Total: 20-21 credits

Students must earn a grade of C or better in all courses for the minor in mathematics.

Music Minor

The music minor exposes students to a broad overview of music and is an option for students who want to continue playing and studying music but are majoring in another field. Individual lessons and performance opportunities are offered in both traditional and jazz/contemporary settings.

Required Courses

- MUS-1015 Meet the Masters 3 credits
- MUS-1051 Keyboard Harmony I 1 credits
- MUS-1052 Keyboard Harmony II 1 credits
- MUS-1061 Ear Training I 1 credits
- MUS-1062 Ear Training II 1 credits
- MUS-1231 Music Theory I 3 credits
- MUS-1232 Music Theory II 3 credits
- Select any two additional MUS courses, at least one of which is at the 3000 level 6 credits

Select any combination:

(4 credits total)

- MUS-1120 Applied Music Lessons 1 credits
- MUS-2220 Music Ensemble 0 or 0.5 or 1 credits (1 credits)
- MUS-3240 Applied Music Lessons 2 credits

Total: 23 credits

Political Science Minor

Required Courses

- POS-1010 Introduction to Political Science 3 credits
- POS-1020 American Politics & Government 3 credits
- POS-2050 International Economics & Politics 3 credits
- POS-2110 State & Local Government 3 credits
- POS-3010 Survey of Western Political Thought 3 credits **OR**
- POS-3040 The Politics of Gender 3 credits

Electives

- POS-3000/4000 (2 courses) 6 Credits

Total: 21 credits

Pre-Law Minor

Required Courses

- PHI-1040 Introduction to Ethics 3 credits
- POS-1020 American Politics & Government 3 credits **OR**
- POS-1010 Introduction to Political Science 3 credits

- POS-2050 International Economics & Politics 3 credits **OR**
- POS-3010 Survey of Western Political Thought 3 credits
- POS-2110 State & Local Government 3 credits
- POS-3170 U.S. Constitutional Law 3 credits

Electives

- HUM-3000/4000 (2 courses) 6 credits

Total: 21 credits

Psychology Minor

Required Courses

Core Courses

- PSY-1010 Introduction to Psychology 3 credits
- PSY-2040 Social Psychology 3 credits
- PSY-2070 Developmental Psychology 3 credits
- PSY-3010 Theories of Personality 3 credits
- PSY-3065 Abnormal Behavior 3 credits

Electives

- Nine psychology credits at the 3000 level and above to be chosen at the discretion of the student and advisor.

Total: 24 credits

Spanish Minor

The minor in Spanish consists of a minimum of 18 credits in Spanish, at least six of which must be at the 3000-4000 level. Students can access those upper-level courses by participating in a semester abroad through JSC's affiliation with the National Student Exchange program. Courses may also be taken through JSC's affiliation with Castleton State College (VIT). Courses taken to satisfy the minor must not be required or be electives within a student's major course of study.

Studio Arts Minor

The minor in studio arts combines foundation work in drawing and art history with study in the student's choice of four studio areas.

Required Courses

- ARH-2010 Survey of Western Traditions in Art 3 credits
- ARH-2060 Survey of Non-Western Traditions in Art 3 credits
- ART-1011 Drawing I 3 credits

Introductory Studio Electives:

(select four courses)

- ART-1231 Ceramics I 3 credits
- ART-2110 Introduction to Digital Media 3 credits
- ART-2150 Jewelry & Metalsmithing 3 credits
- ART-2211 Painting I 3 credits
- ART-2251 Sculpture I 3 credits
- ART-2301 Photography I 3 credits
- ART-2410 Introduction to Printmaking 3 credits

Subtotal: 12 credits

Total: 21 credits

Note: Upper-level studio courses may be substituted for up to 2 of the introductory studio electives.

Theater Minor

The minor in theater provides both a conceptual and practical study of performance and production, as well as a basic historical and literary background.

Required Courses

- THA-1041 Introduction to Theater Arts 3 credits
- THA-1111 Stagecraft 3 credits
- THA-3140 Theater History 3 credits

Select three courses from the following:

- THA-2121 Acting I 3 credits **AND**
- THA-2121L Acting I Lab 1 credits *

- THA-2122 Acting II 3 credits
- THA-3030 Children's Theater 3 credits
- THA-3123 Acting III 3 credits
- THA-3130 Introduction to Scene Design & Stage Lighting 3 credits
- THA-3210 Introduction to Directing 4 credits (3 credits)

Select one course from the following:

(Complete THA 3140 before taking these courses):

- THA-3010 Shakespeare: On the Stage & On the Page 3 credits
- THA-3110 Dramatic Literature: Classical/Modern 3 credits

Total: 21-22 credits

**Students registering for THA-2121 Acting I must also register for the THA-2121L Acting I Lab for 1 credit.*

Certificate

Certificate of Proficiency in Accounting

JSC's Certificate of Proficiency in Accounting is a flexible and convenient way to earn the additional credits required to meet Vermont licensing standards that took effect July 1, 2014, and sit for the national CPA exam. Classes may be taken on campus, online or, through JSC's External Degree Program, on weekends in Montpelier, Rutland, St. Albans or Winooski.

The program of study is tailored to each student's situation in order to amass the required 150 credit hours, including 42 credits in accounting-related courses. A person with a B.A. degree in Business would still need to accrue the required additional 30 credits, even if he or she already has the 42 credits in accounting-related courses.

A full-time student could complete the certificate in one year: In two semesters if only 30 credits are needed, or in two semesters plus the summer if 42 credits are needed. Students enrolled in the certificate program are eligible for financial aid.

Students must complete the core business courses and the core accounting courses, at total of 43 credits, in order to earn the certificate of achievement in accounting.

Core Business Courses

- ACC-2121 Financial Accounting 4 credits
- ACC-2122 Managerial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2280 Introduction to Business Ethics 3 credits
- BUS-3131 Business Law I 3 credits
- BUS-3230 Financial Management 3 credits
- ECO-2020 Macroeconomics 3 credits
- ECO-2030 Microeconomics 3 credits

Total Core Business Courses: 26 credits

Core Accounting Courses

- ACC-2230 Federal Taxes 3 credits

- ACC-3025 Cost Management 3 credits
- ACC-3111 Advanced Intermediate Accounting I 4 credits
- ACC-3112 Advanced Intermediate Accounting II 4 credits
- ACC-4050 Auditing & Assurance Services 3 credits

Total Core Accounting Courses: 17 credits

Nonprofit Management Certificate

Johnson State College's Nonprofit Management Certification program is an innovative course of study that prepares students for careers in the nonprofit sector. To ensure its students' success, the nonprofit management certification provides leadership opportunities, internships, and financial aid. This program is designed to allow flexibility for the student by allowing the student to meet prescribed competencies in combination with course work and practical experience.

In addition to coursework, the nonprofit management certificate program emphasizes hands-on experience through internships, volunteer opportunities, leadership activities and professional development workshops. The experiences you'll have as a student in this program will give you an edge in the job market and prepare you to be a successful leader in the nonprofit field upon graduation. The blend of curricular and co-curricular activities focus on a variety of competency areas, including:

- Nonprofit Management
- Fundraising and Fiscal Management
- Human Resource and Volunteer Management
- Program Planning and Evaluation
- Public Relations and Marketing
- Board and Committee Development

Courses include:

- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-2410 Human Resource Management 3 credits
- ACC-2121 Financial Accounting 4 credits
- HTM-3150 Event Management 3 credits
- OER-3020 Program Planning in Outdoor Education 3 credits
- BUS-4180 Leadership & Management of Nonprofit Organizations
- BUS-4810 Internship in Business Management 1-12 credits

Requirements for certification include:

A total of 18 credits is required, six of which may be waived if the student demonstrates achievement in particular competency areas. A minimum of nine (9) credits must be taken through Johnson State College. A student may take no more than six (6) credits in any one area and must have a minimum of a C- in all courses. There are other co-curricular requirements and recommendations.

For more information on Johnson State College's Nonprofit Certification Program, including how to apply to the program, please contact Ellen Hill, Director, Experiential Learning at 802-635-1439.

Small Business Management Certificate

The program provides owners, operators, and employers with the knowledge and skills necessary to organize and operate successful small businesses. The program emphasizes management functions rather than operational techniques.

Required Courses

- ACC-2121 Financial Accounting 4 credits
- BUS-1340 Social Entrepreneurship 3 credits
- BUS-2210 Small Business Management 3 credits
- BUS-2230 Principles of Marketing 3 credits
- BUS-3131 Business Law I 3 credits

Total: 16 credits

Other Programs

THIS IS A TEST

Course Descriptions

Courses that meet the General Education Curriculum (GEC) are so noted at the end of their individual course description.

Courses noted as “shared” are also offered at one or more of the other Vermont State Colleges.

Accounting

ACC-1010 Computerized Accounting

ACC-2121 Financial Accounting

ACC-2122 Managerial Accounting

ACC-2230 Federal Taxes

ACC-2710 Special Topics in Accounting

ACC-2910 Independent Study in Accounting

ACC-3025 Cost Management

ACC-3030 Business Accounting Systems

ACC-3111 Advanced Intermediate Accounting I

ACC-3112 Advanced Intermediate Accounting II

ACC-4050 Auditing & Assurance Services

ACC-4910 Independent Study in Accounting

Allied Health Sciences

AHS-1010 Contemporary Health Issues

AHS-1030 FYS: The Spoils of War: Art, War & Ethics

AHS-1080 Lifetime Fitness

AHS-1330 FYS: Being Here on Purpose

AHS-2040 Advanced First Aid & Emergency Care

AHS-2130 Strength & Conditioning

AHS-2810 Internship in Allied Health Science

AHS-2910 Independent Study in Allied Health Science

AHS-3010 Therapeutic Massage

AHS-3043 Care & Prevention of Athletic Injuries

AHS-3050 Introduction to Pharmacology

AHS-3110 Health & Healing: The Mind/Body Connection

AHS-3120 Kinesiology

AHS-3230 Physiology of Exercise

AHS-4025 Health Behavior: Change & Adherence

AHS-4030 Psychology of Sports & Exercise

AHS-4060 Cardiopulmonary Assessment, Rehabilitation & Training

AHS-4110 Psychophysiology of Stress

AHS-4810 Internship in Allied Health Science

AHS-4910 Independent Study in Allied Health Science

AHS-4911 Senior Research

Anthropology

ANT-1010 Introduction to Cultural Anthropology

ANT-2810 Internship in Anthropology

ANT-2910 Independent Study in Anthropology

ANT-3020 Religion, Culture & Alternate Realities

ANT-3040 Culture Change in the Modern World

ANT-3110 Development of Anthropological Thinking

ANT-3120 Science, Research Methods & Ethics

ANT-3130 Culture & Personality

ANT-4010 Anthropology of Death

ANT-4020 Multicultural Health, Illness & Healing

ANT-4720 Senior Seminar in Anthropology/Sociology

ANT-4730 Topical Seminar in Anthropology

ANT-4810 Internship in Anthropology

ANT-4910 Independent Study in Anthropology

Art

ART-1011 Drawing I

ART-1080 FYS: iMe: Reinventing Yourself in the Digital Age

ART-1140 Design

ART-1180 FYS: Art of Social Imagination: Sculpture in a Public Realm

ART-1231 Ceramics I

ART-2007 FYS: Comix Go Legit: Contemporary Graphic

ART-2110 Introduction to Digital Media

ART-2150 Jewelry & Metalsmithing

ART-2211 Painting I

ART-2251 Sculpture I

ART-2301 Photography I

ART-2410 Introduction to Printmaking

ART-2430 Introduction to Video Production

ART-2810 Internship in Art

ART-2910 Independent Study in Art

ART-3031 Life Drawing

ART-3032 Advanced Drawing

ART-3040 Landscape Painting

ART-3120 Elementary Art Education Methods

ART-3140 Secondary Art Education Methods

ART-3222 Ceramics II

ART-3314 Advanced Printmaking

ART-3320 Monoprints

ART-4020 Advanced Digital Media

ART-4025 Advanced Digital Media: Documentary & Social Media

ART-4040 Advanced Photography

ART-4050 Advanced Painting

ART-4060 Advanced Digital: Graphic Design

ART-4070 Advanced Digital: Web Design for Artists

ART-4075 Advanced Digital: Animation & Motion Graphics

ART-4080 Advanced Digital Media: Intermedia

ART-4110 Visual Art & Performance

ART-4120 B.F.A. Project & Exhibit

ART-4130 Advanced Sculpture

ART-4140 Advanced Photojournalism

ART-4150 Advanced Digital: Video

ART-4710 Special Topics in Art

ART-4730 B.F.A. Seminar

ART-4810 Internship in Art

ART-4910 Independent Study in Art

Art History

ARH-1030 FYS: The Spoils of War: Art, War & Ethics

ARH-2010 Survey of Western Traditions in Art

ARH-2060 Survey of Non-Western Traditions in Art

ARH-2910 Independent Study in Art History

ARH-3015 Greek & Roman Art

ARH-3020 Art of the Renaissance

ARH-3060 Twentieth Century Art

ARH-3110 The Spiritual in Non-Western Art

ARH-3120 Art Criticism

ARH-3130 The History of Photography

ARH-3140 African Art

ARH-3150 Art of the Human Body

ARH-3210 Women in Art

ARH-4710 Special Topics in Art History

ARH-4720 Seminar in Contemporary Art Issues

ARH-4910 Independent Study in Art History

Biology

BIO-1050 FYS: Pretty or Nasty: The World of Cosmetics

BIO-1210 Introduction to Biology

BIO-1211 Introduction to Biology: Ecology & Evolution

BIO-1212 Introduction to Biology: Cells & Genetic Basis of Life

BIO-1230 Field Ecology

BIO-1781 Ecology of Subtropical Ecosystems

BIO-2011 Human Anatomy & Physiology I

BIO-2012 Human Anatomy & Physiology II

BIO-2130 Natural History of the Yellowstone Plateau

BIO-2145 Plant Biology

BIO-2310 Invertebrate & Vertebrate Zoology

BIO-2340 Fundamentals of Ecology

BIO-2710 Special Topics in Biology

BIO-2810 Internship in Biology

BIO-2910 Independent Study in Biology

BIO-3110 Field Ornithology

BIO-3125 Biological Chemistry

BIO-3130 Cellular Biology: A Molecular Approach

BIO-3140 Microbiology

BIO-3160 Animal Behavior

BIO-3170 Mammalogy

BIO-3180 Nutrition

BIO-3220 Genetics

BIO-3260 Limnology

BIO-3270 Forest Ecology

BIO-3280 Environmental Toxicology

BIO-3290 Conservation Biology

BIO-3310 Wildlife Field Methods

BIO-3320 Ornithology

BIO-3720 Current Topics in Biology

BIO-4220 Wildlife Ecology & Management

BIO-4810 Internship in Biology

BIO-4910 Independent Study in Biology

BIO-4920 Senior Thesis

Business

BUS-1080 FYS: Globalize It?

BUS-1340 Social Entrepreneurship

BUS-2140 Personal Finance

BUS-2210 Small Business Management

BUS-2230 Principles of Marketing

BUS-2280 Introduction to Business Ethics

BUS-2410 Human Resource Management

BUS-2810 Internship in Business Management

BUS-2910 Independent Study in Business

BUS-3050 Principles of Sales

BUS-3060 Consumer Behavior

BUS-3070 Public Relations

BUS-3110 Ski Area Management & Design

BUS-3131 Business Law I

BUS-3150 Production/Operations Management

BUS-3210 Advertising

BUS-3230 Financial Management

BUS-3250 Organizational Behavior & Management

BUS-3265 Off-Shore Investment

BUS-3310 Greening the Business Environment

BUS-3370 Business Organizational Communications

BUS-3390 Career Planning & Management

BUS-3420 Athletic Facility & Event Management

BUS-3430 Sport & Society

BUS-3910 Leadership & Quality

BUS-4030 Marketing Research

BUS-4070 Strategic Decision Making

BUS-4320 Sport Promotion & Branding

BUS-4710 Special Topics in Business

BUS-4720 Senior Seminar

BUS-4810 Internship in Business Management

BUS-4910 Independent Study in Business

Chemistry

CHE-1031 General Chemistry I

CHE-1032 General Chemistry II

CHE-1055 General Chemistry, Organic Chemistry & Biochemistry

CHE-2910 Independent Study in Chemistry

CHE-3111 Organic Chemistry I

CHE-3112 Organic Chemistry II

CHE-4910 Independent Study in Chemistry

Communications

COM-2050 Introduction to Film Study

Community Service

CSV-1011 Principles in Community Service Learning

CSV-1012 Community Service Learning

CSV-2810 Internship in Community Service

CSV-2910 Independent Study in Community Service

CSV-3010 Leadership through Volunteer Service Learning

CSV-4810 Internship in Community Service

CSV-4910 Independent Study in Community Service

Computer Information Systems

CIS-1410 Intermediate Spreadsheets

CIS-1430 Spreadsheets

CIS-2220 Website Design

CIS-2271 Java Programming

CIS-2910 Independent Study in Computer Information Systems

CIS-3040 Database

CIS-3272 Advanced Java Programming

CIS-4120 Systems Analysis & Design

CIS-4910 Independent Study in Computer Information Systems

Dance

DAN-1010 Fundamentals of Dance

DAN-1020 Fundamentals of Jazz Dance

DAN-1030 Body Awareness

DAN-1035 FYS: Perfect Body/Perfect Exercise

DAN-1111 Modern Dance

DAN-1210 FYS: If I Can't Dance, Keep Your Revolution

DAN-2010 Folk Dance

DAN-2030 Improvisation/Composition: Intermediate/Advanced Level

DAN-2040 Beginning Tap Dance

DAN-2131 Ballet

DAN-2730 Topical Seminar in Dance

DAN-2910 Independent Study in Dance

DAN-3010 The Renaissance Spirit

DAN-3020 Intermediate Ballet: Technique & History

DAN-3030 Improvisation/Composition: Intermediate/Advanced Level

DAN-3032 Body Awareness II

DAN-3112 Intermediate Modern Dance: Technique & History

DAN-3130 Jazz Dance

DAN-3140 African/Caribbean Dance & Culture

DAN-3180 Folk Dance II

DAN-3210 The Emperor Ain't Naked: A History of Western European Fashion & Social Dance from the Mid- 14th Century to the Early 20th Century

DAN-4130 Advanced Ballet/Modern Dance: Technique & History

DAN-4910 Independent Study in Dance

Economics

ECO-1020 Introduction to Economics

ECO-2020 Macroeconomics

ECO-2030 Microeconomics

ECO-2910 Independent Study in Economics

ECO-3010 Environmental Economics

ECO-3030 Public Finance & Administration

ECO-4910 Independent Study in Economics

Education

EDU-TEW1 Teacher Education Workshop 1: Introduction to Teacher Education

EDU-TEW2 Teacher Education Workshop 2: Application for Practicum I

EDU-TEW3 Teacher Education Workshop 3: Application for Practicum II

EDU-TEW4 Teacher Education Workshop 4: Application for student teaching

EDU-TEW5 Teacher Education Workshop 5: Application for a Verification Check

EDU-1020 The Human Endeavor

EDU-1110 FYS: What Is Called Thinking?

EDU-2360 Perspectives on Learning in a Diverse Society

EDU-2365 The Ecology of Human Experience: Development, Culture & Identity

EDU-2370 The Contemporary School

EDU-2910 Independent Study in Education

EDU-3025 Evaluating Characteristics of Diverse Learners

EDU-3032 Language, Culture, Literature, & Education

EDU-3100 Literacy Intervention, Assessment & Strategies

EDU-3110 Literature for Children

EDU-3112 Instructional Dynamics for the Elementary Educator: Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Learners; Part III: Unified Arts for Diverse Learners

EDU-3125 Technology for Integrating Instruction

EDU-3140 Partnering with the Adolescent Learner to Promote Student Engagement

EDU-3265 Instructional Dynamics for the Elementary Educator - Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Lessons; Part I: Language, Literacy, & Literature for Diverse Learners

EDU-3266 Instructional Dynamics for the Elementary Educator - Curriculum, Instruction & Assessment for Integrated, Engaging & Creative Lessons; Part II: Numeracy & Quantitative Reasoning for Diverse Learners

EDU-3300 Introduction to Classroom Management

EDU-3311 Foundations of Inclusive Practices

EDU-3360 Promoting Inventive Thinking: Integrating Multimodal Literacy Across the Curriculum

EDU-3440 Teaching Toward Democracy

EDU-3811 Instructional Practicum

EDU-4051 Strategies to Promote Inclusive Practices

EDU-4130 Implementing Content Specific Methods in a Secondary Classroom

EDU-4310 The Art of Experience in Education: Designing for Engagement & Accomplishment through the Unified Arts

EDU-4368 Classroom Strategies Practicum

EDU-4630 Integrated Elementary Methods Practicum: Intention, Knowledge & Presence

EDU-4640 Special Education Practices & Procedures

EDU-4650 Capstone & Thesis Seminar

EDU-4812 Art Student Teaching

EDU-4820 Elementary Student Teaching II

EDU-4830 Music Student Teaching

EDU-4835 Physical Education Student Teaching

EDU-4850 Secondary Education Student Teaching

EDU-4910 Independent Study in Education

English

ENG-1005 College Reading

ENG-1031 College Writing 1A

ENG-1032 College Writing 1B

ENG-1070 Effective Speaking

ENG-1071 College Writing

ENG-1072 Exposition & Analysis

ENG-1090 FYS: The Vampire in Western Culture

ENG-1220 Rhetorical Expression

ENG-1260 Introduction to Photojournalism

ENG-1310 Introduction to Literature

ENG-1330 FYS: Language of Film

ENG-1360 FYS: Dystopia: Cautionary Tales of a Nightmarish Future

ENG-1420 FYS: Journaling: Writing in New Territory

ENG-2005 The Self-Sufficient Writer

ENG-2031 Editing & Publishing: The Literary Magazine

ENG-2051 Introduction to Newswriting

ENG-2052 Newspaper Publishing: Writing, Editing, Layout & Design

ENG-2101 Creative Writing

ENG-2171 World Literature I

ENG-2172 World Literature II

ENG-2281 Survey of English Literature I

ENG-2282 Survey of English Literature II

ENG-2283 Survey of English Literature III

ENG-2321 Survey of American Literature I

ENG-2322 Survey of American Literature II

ENG-2323 FYS: 1492: Reading the Conquest

ENG-2355 FYS: Tradition & Identity in Contemporary Literature

ENG-2510 Women & Literature

ENG-2810 Internship

ENG-2910 Independent Study in English

ENG-3020 Feature Writing

ENG-3022 Advanced Newspaper Publishing: Writing, Editing, Layout & Design

ENG-3032 Advanced Editing & Publishing: The Literary Magazine

ENG-3090 Horse & Human Culture

ENG-3120 Poetry Workshop

ENG-3130 Fiction Workshop

ENG-3140 The Creative Essay

ENG-3270 Myth & Myth Making

ENG-3320 The English Novel

ENG-3345 Contemporary Canadian Literature

ENG-3380 British Romantic Literature

ENG-3390 Literature of the Grotesque

ENG-3395 Satire in Literature

ENG-3405 Literary Journalism

ENG-3435 Practical Grammar

ENG-3480 Modern Literature

ENG-3510 Contemporary Literature

ENG-3520 American Poetry

ENG-3525 Victorian Literature

ENG-3530 The American Novel

ENG-3565 Shakespeare

ENG-3580 African American Literature

ENG-3680 Linguistics & Language History

ENG-4010 Issues in Journalism

ENG-4110 The Form & Theory of Fiction

ENG-4120 The Form & Theory of Poetry

ENG-4130 The Form & Theory of Nonfiction

ENG-4150 Literary Criticism & Theory

ENG-4160 Investigative Journalism

ENG-4510 Literary Research Tutorial

ENG-4720 Seminar in Literature

ENG-4800 Internship

ENG-4900 Independent Study in English

ENG-4920 Senior Thesis

English as a Second Language

ESL-1010 Conversation & Listening Skills

ESL-1021 Written Expression I

ESL-1022 Written Expression II

ESL-1031 Understanding & Using English Grammar & Vocabulary I

ESL-1032 Understanding & Using English Grammar & Vocabulary II

ESL-1040 Editing Lab

ESL-1050 Supplemental Instruction Bridge

ESL-2910 Independent Study in English as a Second Language

Environmental Science

ENV-1020 Introduction to Computers for the Sciences

ENV-1040 Introduction to Oceanography

ENV-1050 Introduction to Earth Science

ENV-1060 FYS: Nuclear Power & Society

ENV-1110 Introduction to Environmental Problems

ENV-2025 Natural History of Photography

ENV-2050 The Natural History of Vermont

ENV-2210 Current Topics in Science

ENV-2270 START Seminar

ENV-2810 Internship in Environmental Science

ENV-2910 Independent Study in Environmental Science

ENV-3010 Land Use Planning

ENV-3020 Environmental Law

ENV-3030 Water Resources

ENV-3040 Energy & Mineral Resources

ENV-3130 Environmental Geology

ENV-3150 Toxic & Solid Waste Management

ENV-3160 Coastal & Marine Resources

ENV-3220 Environmental Interpretation

ENV-3230 National Parks & Wilderness Management

ENV-3240 Fundamentals of Soil Science

ENV-3250 Meteorology & Climatology

ENV-3260 Global Climate Change

ENV-3310 Applications in GIS

ENV-3400 Advanced GIS: Spatial Modeling

ENV-4010 Global Environmental Issues

ENV-4020 Remote Sensing

ENV-4710 Special Topics in Environmental Science

ENV-4720 Senior Thesis

ENV-4730 Senior Seminar

ENV-4810 Internship in Environmental Science

ENV-4910 Independent Study in Environmental Science

French

FRE-1111 French I

FRE-1111L French I Lab

FRE-1112 French II

FRE-1112L French II Lab

FRE-2011 French III

FRE-2011L French III Lab

FRE-2012 French IV

FRE-2012L French IV Lab

FRE-2910 Independent Study in French

FRE-3010 Culture & Civilization through Correspondence & Conversation

FRE-4910 Independent Study in French

Geography

GEO-1010 Introduction to Geography

Geology

GEY-3110 Hydrogeology

GEY-3120 Field Geology

GEY-4910 Independent Study in Geology

History

NOTE: Upper-level (3000-4000) courses in History are offered on a rotating basis, generally every other year.

HIS-1030 FYS: The Hidden History of Vermont: Class, Ethnicity & Gender

HIS-1101 FYS: Truthiness 101: A Brief History of Consumer Culture

HIS-1111 World History I

HIS-1112 World History II

HIS-1211 American History I

HIS-1212 American History II

HIS-2140 The Civil War

HIS-2210 Women in U.S. History

HIS-2255 Early Modern Europe

HIS-2285 Modern Europe

HIS-2810 Internship in History

HIS-2910 Independent Study in History

HIS-3020 Greek & Roman History

HIS-3040 Ancient Civilizations of the New World

HIS-3050 Community in America

HIS-3060 Church & State in America

HIS-3080 Colonial America: History & Life

HIS-3090 Modern German History

HIS-3141 History of the United States in the 20th Century I

HIS-3142 History of the United States in the 20th Century II

HIS-3160 Vermont's Coastal Regions

HIS-3165 Vermont History

HIS-3167 Women in Vermont History

HIS-3225 Latin America: Mexico to Chile; History, Politics, Cultures

HIS-3270 Renaissance & Reformation

HIS-3311 Europe in the 19th Century

HIS-3312 Europe in the 20th Century

HIS-3350 Struggle for Democracy

HIS-3351 English History to 1714

HIS-3352 English History Since 1714

HIS-3355 The European Enlightenment

HIS-3370 Nationalism & Rebellion in Irish History

HIS-3400 Modern French History

HIS-3420 French Revolution

HIS-3430 History of the Soviet Union

HIS-3450 Women in European History

HIS-3510 Chinese History & Culture

HIS-3520 Japanese History & Culture

HIS-4010 History of the Middle East

HIS-4730 Seminar in Historical Communication

HIS-4740 Seminar in Historical Investigation

HIS-4810 Internship in History

HIS-4910 Independent Study in History

Hospitality & Tourism Management

HTM-1010 Survey of Hospitality & Tourism

HTM-2010 Ecotourism

HTM-2020 Introductory Internship in HTM

HTM-2910 Independent Study in Hospitality & Tourism Management

HTM-3010 Food & Beverage Management

HTM-3040 Cost Control

HTM-3050 Supervision & Training

HTM-3110 Lodging & Resort Operations

HTM-3130 Hospitality & Tourism Law & Ethics

HTM-3140 Hospitality Technology

HTM-3150 Event Management

HTM-3210 International Travel & Tourism

HTM-3220 Hospitality & Tourism Marketing Seminar

HTM-3230 Facility Planning & Design

HTM-3710 Special Topics in Hospitality & Tourism

HTM-3810 Resort Management

HTM-3820 Intermediate Internship in HTM

HTM-3910 Leadership & Quality

HTM-4720 Hospitality & Tourism Senior Seminar

HTM-4820 Supervisory Internship in HTM

HTM-4910 Independent Study in Hospitality & Tourism Management

Humanities

HUM-1020 FYS: Cultivating the Cross-Cultural Mind

HUM-1040 FYS: The Long Emergency & the Coming War

HUM-1060 FYS: Culture, Heritage & the Public: Encountering Our Collective Past

HUM-2810 Internship in Humanities

HUM-2910 Independent Study in Humanities

HUM-3010 Myth & the Modern Age

HUM-3030 The Mythic Journey

HUM-3040 Genesis

HUM-3110 Native American History & Culture

HUM-3115 Native American Worldview & Spirituality

HUM-3120 The Abenaki & Their Neighbors

HUM-3125 Religions of the World

HUM-3150 People & Cultures of the Middle East & North Africa

HUM-3160 African Culture

HUM-3170 Popular Culture in America

HUM-3310 Cultures through Cuisine

HUM-4810 Internship in Humanities

HUM-4910 Independent Study in Humanities

Interdisciplinary

INT-4XXX Senior Seminar in Professional Studies

INT-1025 Explore & Connect

INT-2910 Independent Study in Interdisciplinary Studies

INT-3010 Natural Landscapes & Literature

INT-3045 The Bible: History, Literature, Spirituality

INT-3050 The Art & Culture of Cuba

INT-3130 Compassion & You: An Introduction to Mahayana Buddhism

INT-3150 Gödel, Escher, Bach: An Eternal Golden Braid

INT-3210 The Holocaust: An Interdisciplinary Approach

INT-4610 Senior Seminar in Interdisciplinary Studies

INT-4710 Special Topics in Interdisciplinary Studies

INT-4730 Topical Seminar: Peace & War

INT-4910 Independent Study in Interdisciplinary Studies

INT-4950 Senior Seminar in Professional Studies

Mathematics

MAT-0410 Fundamentals of Algebra

MAT-1020 Intermediate Algebra

MAT-1070 Mathematics in our Culture

MAT-1080 Introduction to Quantitative Reasoning

MAT-1090 FYS: Mathematical Puzzles through History

MAT-1221 Finite Mathematics

MAT-1320 Pre-Calculus

MAT-1531 Calculus I

MAT-2020 Mathematical Reasoning

MAT-2030 Probability & Statistics

MAT-2532 Calculus II

MAT-2533 Calculus III

MAT-2810 Internship in Mathematics

MAT-2910 Independent Study in Mathematics

MAT-3210 Linear Algebra

MAT-3240 Probability Theory with Statistics

MAT-3310 Differential Equations

MAT-4130 Abstract Algebra

MAT-4140 Geometry

MAT-4710 Special Topics in Mathematics

MAT-4810 Internship in Mathematics

MAT-4910 Independent Study in Mathematics

MAT-4930 Senior Project in Mathematics

Music

MUS-1015 Meet the Masters

MUS-1030 Music Fundamentals

MUS-1045 FYS: Songwriting for Beginners

MUS-1050 Elementary Piano Class

MUS-1051 Keyboard Harmony I

MUS-1052 Keyboard Harmony II

MUS-1061 Ear Training I

MUS-1062 Ear Training II

MUS-1120 Applied Music Lessons

MUS-1120L Applied Music Lesson Lab

MUS-1160 FYS: Music & Culture of New Orleans

MUS-1231 Music Theory I

MUS-1232 Music Theory II

MUS-2013 Jazz/Contemporary Theory & Improvisation III

MUS-2014 Jazz/Contemporary Theory & Improvisation IV

MUS-2023 Ear Training III

MUS-2024 Ear Training IV

MUS-2040 Foreign Language Diction

MUS-2053 Keyboard Harmony III

MUS-2054 Keyboard Harmony IV

MUS-2080 Songwriting I

MUS-2120 String Instrument Teaching Methods

MUS-2160 Introduction to Technology in Music

MUS-2211 Jazz/Contemporary Keyboard III

MUS-2212 Jazz/Contemporary Keyboard IV

MUS-2220 Music Ensemble

MUS-2231 Studio Recording I

MUS-2250 Introduction to Music Education

MUS-2313 Music Theory III

MUS-2314 Music Theory IV

MUS-2330 Elementary Voice Class

MUS-2350 Music Theater Production

MUS-2361 Instrumental Techniques I

MUS-2362 Instrumental Techniques II

MUS-2810 Internship in Music

MUS-2910 Independent Study in Music

MUS-3031 History of Western Music I

MUS-3032 History of Western Music II

MUS-3040 Jazz in America

MUS-3050 The Social History of Rock & Roll

MUS-3060 Vocal Pedagogy K-12

MUS-3080 Choral Literature

MUS-3130 Composition

MUS-3140 Arranging/Orchestration

MUS-3160 Elementary School Music Methods

MUS-3210 Secondary School Music Methods

MUS-3215 Technology for the Music Classroom

MUS-3220 History of Blues

MUS-3230 Survey of American Musical Theater

MUS-3240 Applied Music Lessons

MUS-3260 Music Theater Workshop

MUS-3270 Choral Music Methods

MUS-3271 Choral Methods I

MUS-3272 Studio Recording II

MUS-3310 Band Methods

MUS-3330 Worlds of Music

MUS-3350 Music of the Americas

MUS-3401 Conducting I

MUS-3402 Conducting II

MUS-3710 Special Topics in Music

MUS-4010 Music Theater Production

MUS-4020 Final Production in Studio Recording

MUS-4030 Applied Music Lessons

MUS-4420 Seminar in Professional Preparation for Music Education

MUS-4720 Senior Recital

MUS-4810 Internship in Music

MUS-4910 Independent Study in Music

Outdoor Education & Recreation

OER-1000 Introduction to Outdoor Education

OER-1030 Outdoor Education Activities

OER-1050 Hiking & Camping

OER-1060 Ropes Course

OER-1061 Backpacking

OER-1070 Orienteering

OER-1090 FYS: Deep Survival: Wilderness Lessons for a Complex World

OER-1131 Rock Climbing I

OER-1161 Whitewater Kayaking

OER-1162 Coastal Kayaking

OER-1165 Coastal Kayak Guide Training

OER-1170 Ice Climbing

OER-2050 Rock Climbing Instructor

OER-2060 Wilderness First Responder

OER-2062 Advanced Backpacking

OER-2080 Advanced Rock Craft

OER-2140 Ropes Course Leadership

OER-2810 Internship in Outdoor Education

OER-2910 Independent Study in Outdoor Education

OER-3010 Learning in the Outdoors

OER-3020 Program Planning in Outdoor Education

OER-3070 Adventure Education Theory & Practice

OER-3150 Winter Expedition

OER-4030 Wildness Leadership Techniques

OER-4710 Special Topics in Outdoor Education & Recreation

OER-4810 Internship in Outdoor Education

OER-4900 Research in Outdoor Education

OER-4910 Independent Study in Outdoor Education

Philosophy

PHI-1010 Introduction to Philosophy

PHI-1030 Introduction to Logic

PHI-1040 Introduction to Ethics

PHI-2910 Independent Study in Philosophy

PHI-3150 Philosophy Through Literature

PHI-4910 Independent Study in Philosophy

Physical Education

PED-1010 Physical Education Activities

PED-1150 Foundations of Physical Education

PED-2030 Educational Games, Dance & Gymnastics

PED-2040 Team Sports

PED-2110 Individual, Dual & Lifetime Activities

PED-2810 Internship in Elementary Physical Education

PED-2810 Internship in Physical Education for Exceptional Populations

PED-2910 Independent Study in Physical Education

PED-3070 Methods of Teaching Elementary Physical Education

PED-3120 Measurement & Evaluation

PED-3140 Methods of Teaching Secondary School Physical Education

PED-4910 Independent Study in Physical Education

Physics

PHY-1041 Physics I

PHY-1042 Physics II

PHY-2910 Independent Study in Physics

PHY-4910 Independent Study in Physics

Political Science

NOTE: Upper-level (3000/4000) courses in Political Science are offered on a rotating basis, generally every other year.

POS-1010 Introduction to Political Science

POS-1020 American Politics & Government

POS-1030 Comparative Government

POS-1040 African-American History & Politics

POS-2010 Observation of the Legislative Process

POS-2040 International Relations

POS-2050 International Economics & Politics

POS-2110 State & Local Government

POS-2810 Internship in Political Science

POS-2910 Independent Study in Political Science

POS-3010 Survey of Western Political Thought

POS-3025 Research Design & Analysis

POS-3030 Contemporary Political Theory: Race, Class & Gender

POS-3040 The Politics of Gender

POS-3050 Environmental Ethics & Politics

POS-3060 Vermont Politics

POS-3070 Terrorism, Religion & the Nation-State

POS-3130 Church & State Separation: The First Amendment to the U.S. Constitution

POS-3150 Campaigns & Elections

POS-3160 Modern Politics through Drama & Fiction

POS-3170 U.S. Constitutional Law

POS-3180 Politics in Film

POS-3210 Canadian Politics

POS-3220 Genocide: Inhumanity Across the Ages

POS-3230 Third World Politics

POS-3270 Revolutions, Transformed Economics & Social Change

POS-4010 American Foreign Policy

POS-4020 International Relations

POS-4730 Senior Seminar in Political Science

POS-4810 Internship in Political Science

POS-4910 Independent Study in Political Science

Psychology

PSY-1010 Introduction to Psychology

PSY-2040 Social Psychology

PSY-2070 Developmental Psychology

PSY-2410 Research Methods in Psychology

PSY-2420 Group Process: Theory & Practice

PSY-2810 Internship in Psychology

PSY-2910 Independent Study in Psychology

PSY-3010 Theories of Personality

PSY-3030 Organizational Psychology

PSY-3065 Abnormal Behavior

PSY-3110 Adulthood & Aging

PSY-3140 Play & Its Role in Human Development

PSY-3230 Psychology of Gender

PSY-3250 Multicultural Psychology

PSY-3330 Psychology of Addictions

PSY-3360 Cognitive & Behavioral Psychology

PSY-4010 Biological Psychology

PSY-4080 Psychology & the Civil War

PSY-4090 Controversial Issues in Psychology

PSY-4110 Creative Therapies

PSY-4125 The Evolution of Psychology

PSY-4151 Counseling

PSY-4760 Topical Seminar in Psychology

PSY-4770 Senior Seminar in Psychology

PSY-4810 Internship in Psychology

PSY-4910 Independent Study in Psychology

Science

SCI-2910 Independent Study in Science

SCI-4910 Independent Study in Science

Social Science

Courses not included in traditional disciplines of anthropology, psychology or sociology are designated social science courses (SSC). These multi-disciplinary courses are an important component of our curriculum and may be used to meet degree requirements in anthropology and sociology (ANS) and/or psychology (PSY).

SSC-1020 Career Choices

SSC-1050 FYS: A Call to Action

SSC-1060 FYS: All Grown Up? Exploring Your Quarter Life Crisis through Psychology & Literature

SSC-3150 Sociodrama

Sociology

SOC-1010 Introduction to Sociology

SOC-1040 Integrative Health & Professional Series

SOC-2040 Race/Ethnicity, Class & Gender

SOC-2050 Drugs, Herbs & Society

SOC-2140 Sociolinguistics

SOC-2150 Social Solutions

SOC-2810 Internship in Sociology

SOC-2910 Independent Study in Sociology

SOC-3020 Environment & Society

SOC-3040 Social Movement, Culture & Activism

SOC-3050 Gender & Society

SOC-3060 Sexuality & Intimacy

SOC-3080 Wellness & Alternative Medicine

SOC-3130 Mass Media & Society

SOC-3170 Power, Politics & Inequality

SOC-3230 Alternative Medicine, Science & Disease

SOC-4010 Family Violence

SOC-4020 Sociological Theory

SOC-4030 Global Health, Diversity & Policy

SOC-4730 Topical Seminar in Sociology

SOC-4740 Senior Integrative Health Care Seminar

SOC-4810 Internship in Sociology

SOC-4910 Independent Study in Sociology

Spanish

SPA-1011 Spanish I

SPA-1011L Spanish I

SPA-1012 Spanish II

SPA-1012L Spanish II

SPA-2011 Spanish III

SPA-2011L Spanish III

SPA-2012 Spanish IV

SPA-2012L Spanish IV

SPA-2910 Independent Study in Spanish

SPA-4910 Independent Study in Spanish

Theater Arts

THA-1040 Interpreting Contemporary Dramatic Literature

THA-1041 Introduction to Theater Arts

THA-1111 Stagecraft

THA-2020 Theater Lab

THA-2030 Costume History & Design

THA-2035 Costume Construction & Stage Makeup

THA-2040 Performance & Production Lab

THA-2121 Acting I

THA-2121L Acting I Lab

THA-2122 Acting II

THA-2810 Internship in Theater

THA-2910 Independent Study in Theater

THA-3010 Shakespeare: On the Stage & On the Page

THA-3030 Children's Theater

THA-3040 Improvisation for Actors

THA-3110 Dramatic Literature: Classical/Modern

THA-3123 Acting III

THA-3130 Introduction to Scene Design & Stage Lighting

THA-3140 Theater History

THA-3150 Introduction to Stage Management

THA-3210 Introduction to Directing

THA-3710 Special Topics in Theater

THA-4010 Performance & Production Lab

THA-4050 Theater Lab

THA-4720 Senior Project in Theater

THA-4730 Seminar in Professional Preparation for the Actor

THA-4810 Internship in Theater

THA-4910 Independent Study in Theater

Placement Track

This type will be used to designate PLE and PLM courses, which are placement levels in English and math assigned at the time of admission.

PLE-0003 English Placement, Level 3

PLE-0004 English Placement, Level 4

PLM-0001 Mathematics Placement, Level 1

PLM-0002 Mathematics Placement, Level 2

PLM-0003 Mathematics Placement, Level 3

PLM-0004 Mathematics Placement, Level 4

PLM-0005 Mathematics Placement, Level 5

Degree Requirements

This is used for only ENG-3999 (Writing Proficiency Exam) and GRS-3000 (TILT).

ENG-3999 Writing Proficiency Exam

GRS-3000 The Information Literacy Tutorial (TILT)

General Education Requirements

Johnson State College's General Education Curriculum (GEC), a program of integrative learning, addresses the accelerating pace of change in all areas of society at the local, national and global levels. The goals and outcomes of the GEC are designed to equip our graduates with the skills to flourish in a world marked by constant innovation and global interdependence.

As the mission statement for the College's GEC states, "In order to help students enrich their lives and become fully engaged citizens of their world, the Johnson State College General Education Program strengthens the foundations of written and oral communication, mathematics and quantitative reasoning, and understanding of the scientific method. It complements the depth of the [student's chosen] major with a breadth of experiences that cross disciplinary boundaries and emphasize connections between the student and the community."

Essential Learning Outcomes for Students:

1. Broad knowledge of human cultures and the natural and physical world, including social sciences, natural sciences, mathematics, humanities, histories and the arts;
2. Intellectual and practical skills, including effective writing, inquiry, quantitative and information literacy, and teamwork and problem solving;
3. Integrative learning, including the capacity to adapt knowledge, skills and responsibilities to new settings and questions.

(Adapted from the American Association of Colleges and Universities' *College Learning for the New Global Century*, 2007)

There are two General Education programs in place at Johnson State College:

- General Education Curriculum for Campus-Based Students
- General Education Curriculum for External Degree Program (EDP) Students

General Education Curriculum for Campus-Based Students

In addition to a focus on "Foundational Skills" in writing, mathematics and science, the GEC program for campus-based students centers around four "Integrative Perspectives," or ways of looking at oneself, society, the broader world -- even the universe -- and one's place within it. The courses and experiences attached to each perspective foster the development of knowledge, skills and the ability to reflect on one's learning. In these ways, the Integrative Perspectives become active tools for personal development and engagement with community and life as a whole.

In addition, the curriculum includes programming for first-year students designed to help them successfully transition to college both academically and socially, build connections within the JSC community, and experience the many opportunities and resources at JSC that support their success through graduation:

- **The First-Year Seminar:** All students entering JSC with fewer than 15 college credits must take a First-Year Seminar (FYS). Students may self-select a FYS from any of the available offerings.
- **The Creative Audience:** All entering JSC students must complete two semesters, 0.5 credits each, of Creative Audience programming. Students attend six events each semester from a wide variety of offerings to complete this requirement.

Foundational Skills Component

Foundational Skills: 16-19 credits

Integrative Perspectives Component

Integrative Perspectives: 21 credits

General Education Curriculum for EDP Students

Students enrolled in the External Degree Program must earn at least 60 credits in liberal arts. These credits must include the following components of general education:

Key Skills: 6 credits

- Mathematics (3 credits)
- Rhetorical Expression: ENG-1220 (3 credits), or earn a waiver by passing a challenge exam. This requirement must be met by the end of a student's second semester or after completion of 15 credits in EDP. ENG-1220 meets the College's graduation requirement in writing for EDP students, and no other course or experiential credits can substitute for it.

Integrated Knowledge: 25 credits

- *Individual and Human Relationships* (6 credits). English literature or writing, languages, communications, psychology or other courses with a focus on understanding self and others.
- *Social and Historical Relationships* (6 credits). Sociology, history, political science, economics, law and other courses focusing on social institutions, movements and problems past and present. At least three credits must emphasize an historical perspective.
- *Environmental and World Relationships* (7 credits). Sciences (physical, biological, environmental, health). At least four credits must use or study scientific method, including a lab or field study.
- *Universal and Philosophical Relationships* (6 credits). Studies with a focus on transcendent issues, symbolic systems and aesthetic understanding. At least three credits must be in a consciously speculative field such as philosophy, religious studies, mythology, aesthetic or symbolic theory. Other credits can be in areas such as art, music or drama.

Note: For students majoring in Interdisciplinary Studies (B.A.), a maximum of 6 credits in the major can be used to fulfill the General Education Curriculum or the External Degree Program.

Degree Requirements

Johnson State College offers students two pathways to an undergraduate degree:

On campus at JSC, students can choose among dozens of B.A., B.S. and B.F.A. degree programs, two associate's degree programs, three certificates and 10 teacher-education programs that provide endorsement for a Vermont teaching license - all while taking advantage of the College's many services, programs and activities.

Off campus, through JSC's External Degree Program, students throughout Vermont with at least 60 credits can complete a bachelor's degree in one of our undergraduate majors available statewide, earn their teaching endorsement, and/or complete a Certificate of Proficiency in Accounting to earn state licensure and prepare to sit for the national Certified Public Accountant (CPA) exam. Classes are offered online, on weekends in four Vermont communities, and on the JSC campus. Flexible scheduling options and EDP's maximum use of transfer credits make this program a popular option for adult learners.

Requirements for a Bachelor's Degree

For Campus-Based Students

- Completion of at least 120 credit hours of work (not including basic skills credits).
- Achievement of a minimum cumulative grade point average of 2.00 (on a scale where A equals 4.00).
- Completion of the General Education Curriculum.
- Completion of bachelor-level Graduation Standards.
- Completion of all course work in the major.
- At least 30 of the last 39 credits applying toward the degree must be earned from Johnson State College.
- At least 39 credits must be at the 3000/4000 (upper) level.

For EDP Students

- Completion of at least 120 credit hours of work (not including basic skills credits).
- Achievement of a minimum cumulative grade point average of 2.00 (on a scale where A equals 4.00).
- Submission and approval of an individualized degree plan (for Professional Studies and Interdisciplinary Studies majors only).
- Completion of the EDP General Education Requirements.
- Completion of all course work in the major.
- At least 39 credits must be at the 3000/4000 (upper) level.
- Completion of Graduation Standards.
- EDP students must complete at least two semesters and at least 30 credits while in EDP (24 credits if student has at least 6 prior credits from JSC).
- At least 30 of the last 39 credits applying toward the degree must be credits for which the student registers through Johnson State College/EDP.

Requirements for an Associate's Degree

- Completion of at least 60 credit hours of course work (not including basic skills credits).
- A minimum cumulative grade point average of 2.00 (on a scale where A equals 4.00).
- At least 30 of the credits applying toward the degree must be earned from Johnson State College.
- Students in the Associate of Arts (A.A.) in General Studies program must complete the First-Year Seminar Course, the Creative Audience the Foundational Skills components of the General Education Curriculum (GEC), and six credits each from the Aesthetic, Social & Historical, and Global perspectives (see General Education curriculum). Students in all other associate's programs must complete the First-Year Seminar Course, the Creative Audience, the Foundational Skills Written Expression and Natural Sciences components of the GEC, one math course from the Foundational Skills-Mathematics component of the GEC, and three credits each from the Aesthetic, Social & Historical, and Global perspectives (see General Education curriculum).
- Completion of associate-level Graduation Standards.

Requirements for Earning a Second Degree

A Second Bachelor's Degree

Students who already hold a bachelor's degree from another institution or from Johnson State College may earn a second degree by completing the following requirements:

- Completion of at least an additional 30 credits through Johnson State College.
- Completion of the requirements of a major unique from the first bachelor's degree major.
- Achievement of a minimum cumulative grade point average of 2.00.

Note that requirements for double majors also may apply.

A Second Associate's Degree

Students who already hold an associate's degree from another institution or from Johnson State College may earn a second degree by completing the following requirements:

- Completion of at least an additional 15 credits at Johnson State College.
- Completion of the requirements of a major unique from the major of the first associate's degree.
- Achievement of a minimum cumulative grade point average of 2.00.

Note that requirements for double majors also may apply.

Requirements for a Double Major

Students wishing to earn a degree with a double major must meet the following requirements:

- Completion of degree requirements as listed under *Requirements for a Bachelor's Degree*.
- Completion of the requirements of two unique majors.
- For baccalaureate degrees, at least 30, and for associate's degree, at least 15, of the credits used to complete each major must be in courses not used to meet the requirements in the other major.

Requirements for Academic Minors

An academic minor consists of a minimum of 18 credits in a discipline or field, at least six of which are at the 3000/4000 level. In general, students may not use the same courses used to satisfy requirements in a major to also satisfy requirements in a minor. Any questions should be referred to the department chair of the department sponsoring the minor. (See list of Academic Programs.)

Graduation Standards

Johnson State College strives to ensure that all students achieve and be able to demonstrate their mastery of important skills. This commitment is consistent with the mandate of the trustees and presidents of the Vermont State Colleges (VSC), including Johnson State College, that all students must satisfy graduation standards in four areas: writing, quantitative reasoning, information literacy and oral communication. As a mandate of the Board of Trustees and the Council of Presidents, the requirement to satisfy graduation standards supersedes all other catalog statements concerning academic regulations and requirements. Successfully fulfilling graduation standards at one VSC institution is accepted as fulfilling the standards at any other VSC institution for an equivalent associate's or bachelor's degree.

All students must satisfy the following graduation standards in order to graduate:

- **Writing:** All baccalaureate- and associate-level students must pass ENG 3999, the Writing Proficiency Exam, or ENG 2005 The Self-Sufficient Writer course. The Writing Proficiency Exam is offered every semester on a pass/no pass basis. Students should take the exam when they have accumulated between 15-60 credits to ensure completion of this standard. Students who fail the exam once may attempt it a second time; those who fail twice must take and pass ENG 2005 The Self-Sufficient Writer .
- **Quantitative Reasoning:** All baccalaureate- and associate-level students must pass the Quantitative Literacy Assessment Exam (LAE) or MAT 1080 course. In addition, all baccalaureate-level students must pass one course designated as "quantitatively enriched." (Courses with the "QE:" prefix are approved as quantitatively enriched.) Note: Passing the LAE does meet the first part of the Quantitative Reasoning Graduation Standard, but it does not count as a substitute for MAT-1080 required for the Foundational Skills: Mathematics component of the General Education Curriculum.
- **Information Literacy:** All baccalaureate- and associate-level students must complete GRS 3000, The Information Literacy Tutorial (TILT) and score 80% or higher on each of the accompanying quizzes. TILT and the quizzes are available to students on the VSC Moodle site after registering for a section of GRS-3000. *It is recommended that students take TILT during their first year at JSC.*
- **Oral Communication:** All baccalaureate- and associate-level students must receive passing scores on the Oral Communication Grading & Evaluation Form. Baccalaureate students must complete *two* oral presentations, each at least five minutes long; associate-level students must complete *one* oral presentation. Currently enrolled students may obtain comprehensive information about JSC graduation standards by consulting "JSC Graduation Standards," on the MyJSC Portal at <http://MyJSC.jsc.edu>. In addition, JSC occasionally may email students via their JSC email addresses about the required graduation standards and the steps required to satisfy them.

Admission

Johnson State College has a "rolling admissions" policy, which means we do not have an application deadline. We review applications throughout the year and within two or three weeks of receiving the application and supporting credentials an admissions decision will be made. In considering students for admission to JSC, the Admissions Office looks at a wide range of factors. We start by carefully evaluating each candidate's academic preparation, as reflected in transcripts, course selection, letters of recommendation and personal essay.

We recommend that students complete a college preparatory curriculum that includes:

- 4 years of English;
- 2 years of college-preparatory mathematics (3 years of college-preparatory mathematics including Algebra I, Geometry and Algebra II are strongly recommended);
- 3 years of social sciences;
- 2 years of science (one course with a lab).

First-Year Students

All candidates for admission who have not attended a college or university are considered to be first-year students. To be considered for admission to Johnson State College, First-Year students must apply electronically by using the Common Application at www.commonapp.org; a \$40 application fee is also required. If applying online, the application fee can be paid with a credit card or electronic check through the secure Common Application online system.

To be considered for admission, students must complete an application and submit the following materials:

- An official high school transcript or GED test scores;

- SAT or ACT test scores (optional);
- \$40 non-refundable application fee;
- A 300- to 500-word essay;
- One letter of recommendation (preferably from a guidance counselor).

Home-Schooled Students

To be considered for admission to Johnson State College, Home-Schooled students must apply electronically by using the Common Application at www.commonapp.org; a \$40 application fee is also required. If applying online, the application fee can be paid with a credit card or electronic check through the secure Common Application online system.

All candidates for admission who have participated in a home schooling program must complete an application and submit the following materials.

- A Proof of Graduation*;
- SAT or ACT test scores (optional);
- \$40 non-refundable application fee;
- A 300- to 500-word essay;
- One letter of recommendation (from someone other than a family member).

* Acceptable "Proofs of Graduation" include:

- Official GED test scores;
- A Certificate of Completion if the home schooling program is recognized by your home state;
- Report of annual approval of your program as required within your home state (an official transcript of any course work taken at a local high school is also required);
- High School Diploma (if area high school offers a diploma for home-schooled students).

Transfer Students

Transfer students should have a cumulative grade point average (GPA) of at least a 2.0. We accept credits from courses taken at accredited institutions with a grade of C or better. To be considered for admission, transfer students must complete an application at www.jsc.edu/apply and submit the following materials:

- Official transcript(s) from all colleges previously attended with current Semester Progress Report;
- Official high school transcript or GED scores (waived for students transferring 60 or more credits);
- \$40 non-refundable application fee (waived for students transferring from another VSC institution or who have at least 12 credits within the VSC)
- A 300- to 500-word essay;
- One letter of recommendation (preferably from an academic advisor or professor);
- College Official's Report (included in application packet).

Non-Traditional Students

An applicant who has been away from formal education for a year or more is considered a non-traditional student. Recognizing the diversity of academic and life experiences that such a student brings, the application process is highly

individualized. Non-traditional students also must complete an application at www.jsc.edu/apply and submit the following:

- Official high school transcript or GED test scores;
- \$40 non-refundable application fee (waived for online applications);
- A 300- to 500-word essay;
- One letter of recommendation from a person who can speak to the applicant's motivation and academic potential;
- Highly recommend: Personal interview with an admissions counselor.

External Degree Program (EDP) Students

Admission to the External Degree Program requires the transfer of at least 60 credit hours (with a C or better) from a previous college(s). This credit may be earned in traditional college study, by completing standardized tests, or through assessment of prior experiential learning. All credit for experiential learning will be accepted for purposes of admission, but must undergo a separate evaluation for applicability to degree requirements. Students in the EDP program can apply for Admission for the fall, spring or summer semesters.

Before applying, students are encouraged to speak with the advisor at their local Community College of Vermont (CCV) site to gain fuller understanding of the External Degree Program and how it may meet their individual needs. All EDP applicants must submit an EDP application for admission, found on the JSC website at www.jsc.edu/EDP, and the following materials:

- Official transcripts from all colleges/universities you have attended;
- If awarded credits for life experience, an official transcript from the Vermont State Colleges Office of External Programs;
- Resume (optional)

Advanced Placement Examination Credit

Johnson State College will grant course credit to students who have completed examinations through the College Board's Advanced Placement (AP) Program. A grade of 3 or higher must be achieved to receive credit for the corresponding academic course.

College-Level Examination Program

Johnson State College considers for credit the scores received on the College Level Examination Program (CLEP). Six credits may be given for each area of the General Examination on which a student scores satisfactorily. Three credits may be given for subject examinations on which a satisfactory score is achieved.

International Baccalaureate

Johnson State College recognizes the International Baccalaureate (IB) program and will award credit on an individual basis to students who pass with grades of 4 or above on higher level exams (JSC does not award credit for standard level IB exams). It is not necessary to have completed the entire IB curriculum [the diploma] to qualify for transfer credit. Please submit an official IB transcript along with your application for admission.

Accepting the Offer of Admission

Students who have been accepted for the fall semester can reserve a space in the entering class and in the residence halls by submitting a non-refundable \$300 deposit by May 1 with a Candidate Reply Form at www.jsc.edu/reply. The deposit for students not living in campus housing is \$200. Students applying for the fall semester who are accepted after May 1 should send in the deposit no later than two weeks after receiving notification of acceptance. Students accepted for the spring semester should send their deposit by December 1 or, if after December 1, no later than two weeks after receiving notification of acceptance and before registration. All admission deposits are credited to the student's account for the semester of entrance to the College. Students who have paid the deposit will receive information regarding the next steps of enrollment process, including housing, class assignments, orientation, and student health documentation and insurance.

New England Award

Johnson State College is a member of the New England Board of Higher Education, which provides for special tuition rates (50 percent over in-state tuition) for students enrolling in academic programs not offered in their home state systems. Participation in this program is based on the student's primary intended program of study as indicated on their application. The discount is contingent upon the student's enrollment in a participating major. Students who do not enroll in the participating major, or who change majors during their college career, will no longer be eligible for the New England Award discount.

Further information can be found at <http://www.nebhe.org/>.

Following is the list of programs eligible for the New England Award discount at JSC as of August 2014. The list of eligible programs of study changes periodically. Check with the Admissions Office for the most current list of New England Award programs.

Programs Eligible for the New England Award

As of August 2014, out-of-state students in New England who enroll in the following majors at JSC are eligible for the New England Award, which lowers the cost of tuition to 50 percent over the cost of in-state tuition:

A.A.,	Technical Theater: CT, MA, ME, NH, RI
B.A.,	Business, Hospitality & Tourism Management track: RI
B.A.,	Communications & Community Media: ME, NH
B.A.,	Musical Theater: MA
B.A.,	Outdoor Education: CT, MA, ME, RI
B.S.,	Wellness & Alternative Medicine: CT, MA, ME, NH, RI
B.F.A.,	Creative Writing: CT, MA, NH, RI
B.F.A.,	Media Arts: MA, RI
M.F.A.,	Studio Arts: ME, NH, RI

Good Neighbor Award

If you are a student who is a resident of one of the following counties in New York, New Hampshire or Massachusetts, or any province in Canada, you qualify for a special tuition rate of 50 percent over in-state tuition:

- **Massachusetts:** Berkshire, Franklin, Hampden, Hampshire

- **New Hampshire:** Belknap, Carroll, Cheshire, Coos, Grafton, Sullivan
- **New York:** Clinton, Essex, Franklin, Jefferson, Rensselaer, Saratoga, Schenectady, St. Lawrence, Warren, Washington.

Once enrolled, students receiving the Good Neighbor Award will continue to receive the discounted rate for up to eight semesters as long as they maintain continuous full-time enrollment during that time and remain in good academic standing.

Readmission to Johnson State College

Former JSC students returning within one year of exiting need not reapply if an official Leave of Absence was granted by the Registrar's Office. All other JSC students seeking readmission are required to submit an application for readmission at www.jsc.edu/apply.

International Students

Applying for Admission

Students from other countries may apply for admission into Associate's and Bachelor's degree programs at the college. To be considered for admission to Johnson State College, International students must apply electronically by using the Common Application at www.commonapp.org. There is a \$40 application fee, which may be paid by credit card or electronic check through the secure Common Application online system.

In addition to the completed Common Application, international students must submit the following credentials in order to be considered for admission:

Academic Credentials

- Academic records in the original language and a certified English translation;
- Official secondary school transcripts and an official leaving certificate or diploma;
- Results of secondary external examinations (such as the West African Exam Council General Certificate of Education), if applicable; and
- Official transcripts of any university-level studies already completed.

In order for Johnson State College to consider accepting transfer credits from foreign institutions, students must have their post-secondary academic transcripts evaluated by an official foreign credential-evaluation service. Students are responsible for the credential evaluation and translation fees. A list of approved credential-evaluation services is available at www.edupass.org.

Proof of Proficiency in the English Language

For all students, success at Johnson State College requires proficiency in reading, writing and speaking English. For this reason, international students seeking admission must demonstrate their proficiency by taking the Test of English as a Foreign Language (TOEFL) or by taking the language proficiency test offered through the International English Language Testing System (IELTS). Official TOEFL score or IELTS test scores must be sent directly to Johnson State College from the testing agency; photocopies of test results are not accepted. The TOEFL institutional code for Johnson State College is 3766. For information regarding the submission of IELTS scores, please contact the Admissions Office at Admissions@jsc.edu or 800-635-2356.

Applicants who score between 500 and 549 on the TOEFL paper-based test or 61 and 80 on the Internet-based TOEFL test, or whose IELTS scores are marginal, will need to improve their English proficiency if they are offered admission at Johnson State College. Typically these students will be required to enroll in a sequence of ESL courses and/or tutorials for English language learners (ELLs) during their first year at JSC. These courses and tutorials focus on Academic English: the writing, reading, listening and speaking skills necessary for success in college.

Applicants who have had the opportunity to use spoken and written English for a sustained period of time either through life experiences or through post-secondary education may ask to be excused from taking the TOEFL or IELTS test. If these applicants are accepted at Johnson State, they may still be required to enroll in ESL coursework and/or ELL tutorials depending on their level of proficiency as determined by the ESL academic skills coordinator and the director of the Academic Advising & Career Center.

Financial Documentation

Johnson State College is required by federal law to verify the financial resources of all international students. International students must demonstrate that funds exist at least for the student's first year of study and, barring unforeseen circumstances, that adequate funding will be available from the same or equally dependable sources for subsequent years. International applicants must complete the financial documentation form included in the International Application for Admission, and supply official financial documents, on official letterhead or with an official seal, in support of the form.

Demonstrating Financial Support

International applicants may demonstrate financial support the following ways:

- If you will be supported by your government or sponsoring agency, you must submit an official copy of your sponsorship award letter.
- If you will be supported by private funds, your sponsor (e.g., parents, relatives, businesses or other benefactors) must complete the Foreign Student Certification of Finances and submit supporting documents demonstrating that sufficient funds are available to cover your expenses while studying in the U.S. If your sponsor is in the U.S., the sponsor also must complete INS form I-134 (Affidavit of Support), which is available at www.uscis.gov.

Appropriate documents for financial verification include:

- Official proof of personal or family savings;
- Bank-issued certified letters stating available funds;
- Official bank statements;
- Bank books; and
- Official tax documents.

Outside Sources of Funding

Johnson State College encourages international students to seek financial assistance through outside sources and sponsors. The following websites provide detailed information on financial aid for foreign students:

- eduPASS: www.edupass.org;
- International Education Financial Aid: www.iefaf.org;
- NAFSA: www.nafsa.org.

Letter of Recommendation

International applicants must submit a letter of recommendation from someone who is not related to the student. A letter from an academic advisor or professor is preferred. The advisor or professor may complete the College Instructor Evaluation form of the Common Application or write a letter.

Writing Sample & Signature Page

International applicants are to submit a 300- to 500-word essay with their application. The essay might explain the applicant's reason for choosing JSC, or it can address another subject of the applicant's choosing. Finally, applicants must include a page with their signature and printed name with their application.

Priority Deadlines

Johnson State College accepts and reviews applications for undergraduate study from international students on a year-round basis. However, we recommend that applicants submit their application materials by the following priority deadlines to give themselves ample time to arrange for immigration paperwork to be processed:

- Fall semester (August-December): March 1
- Spring semester (January-May): November 1

Accepting the Offer of Admission

Applicants will be notified of our decision within three to four weeks of receipt of their completed application and supporting documentation. Upon acceptance to Johnson State College, a \$300 deposit is required. JSC will issue INS Form I-20 (issued by the U.S. Immigration & Naturalization Services) upon receipt of the deposit. This form allows international students to apply to the U.S. embassy in their country for an F-1 student visa, which is needed to enter the U.S.

For More Information

More information about obtaining a student visa is available at www.uscis.gov. The U.S. Citizenship & Immigration Services website at www.uscis.gov provides information about other immigration-related topics as well. The International Student Advisor in the JSC Admissions Office is available to assist as well and can be reached by emailing Admissions@jsc.edu or calling 800-635-2356.

Admission of English Language Learners from the U.S.

Johnson State College also encourages applications from U.S. residents whose first language is not English, because students from multicultural and international backgrounds and experiences enrich the campus academic community. In addition to completing the Common Application for admission to Johnson State College and following the instructions for applying (found in this Admissions section of the catalog), English Language Learners (ELLs) should be sure to request recommendation from their high school ESL teacher as well as their guidance counselor. Submission of TOEFL scores, while not required, is strongly encouraged.

Proof of Proficiency in the English Language

In order to succeed in college-level coursework and to participate fully in campus life, English Language Learners (ELLs) will need to continue to expand their proficiency in English upon admission to JSC. First-year ELLs are therefore typically required to enroll in a sequence of ESL courses and/or tutorials. These courses and tutorials focus on Academic English -- the writing, reading, listening and speaking skills necessary for students pursuing an Associate's or Bachelor's degree. ELLs are assigned to this specialized, language-based coursework as determined by the ESL academic skills coordinator and the director of the Academic Advising & Career Center.

Learning More about Johnson State College

In addition to completing a formal application to the College, prospective students are encouraged to schedule a visit to campus at www.jsc.edu/visit. Applicants who have any disability (physical or learning), or who have limited English proficiency, are encouraged to contact the Admissions Office so that special needs or accommodations can be made available where appropriate throughout the admissions process. Send questions by email to jscadmissions@jsc.edu or call us at 800-635-2356.

Dual Enrollment Programs for High School Students

Johnson State College offers two non-residential programs for high school students who demonstrate the abilities and commitment to undertake college level course work. Dual Enrollment options are designed for students who show significant talent in academic area and who desire to challenge themselves on the post-secondary level. Typically, students in these programs will be permitted to register for first or second-year college courses, on a seat-available basis.

Jump Start Program

This program is available to juniors and seniors in high school, at least 16 years of age. Eligible students may take up to two-free courses (8 college credits) between the end of their sophomore year and high school graduation. To be considered for admission for the Jump Start Program, students must be enrolled full-time in high school or an approved home school program and must:

- Complete & Submit the Jump Start Application;
- Submit at least one letter of recommendation from a guidance counselor, principal or teacher;
- Request to have a copy of the student's high school or home school transcript sent to the program coordinator; and
- Provide a copy of the student's SAT or ACT scores if the exam was taken.

Early College Program

This non-residential program is designed for high schools students at least 16 years of age, who wish to complete their senior year of high school and their first year of college simultaneously. Early College students may earn a maximum of 30 credits over two semesters tuition-free. To be considered for admission in the Early College Program, students must be enrolled full time in high school or in an approved home school program and must:

- Complete the Early College Application, including the personal essay;
- Submit at least one letter of recommendation from the student's guidance counselor or home-school coordinator;
- Request to have a copy of the high school or home school transcript sent to the program coordinator;
- Provide a copy of the student's SAT or ACT scores if the exam was taken;
- Discuss & review the Assurance Form with the student's guidance counselor and high school principal or home school coordinator; and
- Schedule an interview with the Early College Coordinator.

Financial Aid

Although the primary responsibility for financing students' education rests with their families, the Office of Student Financial Services at Johnson State College administers a comprehensive financial aid program to help students who would otherwise be unable to afford a college education. JSC offers various scholarships, grants, loans and part-time employment to help close the gap between students' financial resources and their educational expenses. Since resources are limited, students should apply for federal, state and institutional aid early. All financial aid awards are dependent upon availability of funds and demonstration of financial need. All aid programs are subject to change due to changes in state or federal legislation.

Financial Aid Eligibility

To be eligible to receive financial aid, a student must:

- Be a U.S. citizen or eligible non-citizen (permanent resident);
- Generally be enrolled in a program leading to a degree or certificate;
- Be in good standing and maintaining satisfactory progress;
- Not owe a refund or repayment on any previously received Title IV financial aid funds;
- Not be in default on previously received national direct/defense (Perkins) or guaranteed (Stafford or direct student loans); and
- Be registered with the Selective Service (for males 18 years of age or older and born on or after January 1, 1960, if not currently a member of the U.S. Armed Forces).

Eligibility for specific aid programs is determined on the basis of "financial need" -- the difference between the cost of attendance and what the family is expected to contribute. Need is determined on the basis of information submitted on the Free Application for Federal Student Aid (FAFSA) or the Renewal FAFSA. Continued eligibility, once students are in attendance, depends upon students meeting the general criteria listed above, documenting need for each academic year and remaining in good academic standing. Please contact the JSC Student Financial Services Office for more information on eligibility requirements.

Financial Aid Application Procedures & Deadlines

Applying for Need-Based Aid

To be considered for any type of need-based aid, including loans, students should file the Free Application for Federal Student Aid (FAFSA). Be sure to include the **Johnson State College code number, 003688**, on the FAFSA. A FAFSA or Renewal FAFSA must be submitted each year for continued consideration for assistance. Students need to apply for

financial aid online by going to the FAFSA website: <https://fafsa.ed.gov/>. In addition to the FAFSA or Renewal FAFSA, students should also complete state grant applications. Vermont residents can apply for a Vermont state grant by completing the VSAC Grant Application online at www.vsac.org. Residents of other states should contact their higher education agency to inquire about state grant application procedures and deadlines.

Application Deadlines

Students can apply for financial aid after January 1, and JSC's priority deadline for new students (freshmen and transfers) is March 1. To ensure that an application has a processed date of March 1, students are encouraged to complete the FAFSA by February 1. New students must be accepted to JSC before a financial aid award will be offered, but students should not wait until they have applied for admission or have been admitted to apply for financial aid. Award notifications are sent to new students at the email address listed on the admission application. Awarding usually begins in February.

JSC's priority deadline for currently enrolled students is May 1. Complete the FAFSA by April 1 to ensure that an application has a May 1 processed date. Award notifications are sent to returning student's JSC email accounts beginning in July.

While applications received after the priority deadlines will be reviewed, federal and institutional aid is limited and late applicants may lose out on some types of financial aid. JSC may also require additional information such as federal tax transcripts, W-2s and proof of untaxed income before aid awards are final and before any disbursements can be made to a student's account.

Financial Aid for Summer College

Most financial aid at JSC is awarded for use during the fall and spring semesters but, Pell Grants and Direct Loans are awarded to eligible students who have completed the FAFSA. The FAFSA must generally be received by the federal processor by April 1 for consideration of summer aid. Students must also complete a JSC Summer Payment/Financial Aid Application Form found in the summer course bulletin or on the JSC website.

If the JSC Summer Payment/Financial Aid Application form is not received, Student Financial Services has no way of knowing that a student wants summer aid.

Types of Financial Aid for Undergraduate Students

Student must complete the Free Application for Federal Student Aid (FAFSA) to be considered for any type of federal aid. Apply online at www.fafsa.ed.gov. The following need-based financial aid programs are available to assist a large percentage of Johnson State College students.

Programs	Eligibility	Award Amounts
Federal PELL Grant	Awarded to eligible undergraduates (determined by the federal government based on expected family contribution).	Full-time awards range from a maximum of \$5,730 to \$602 for the 2014-2015 academic year. Amounts are determined on a yearly basis.

Federal Supplemental Education Opportunity Grant (FSEOG)	Awarded to assist undergraduates with exceptionally high financial need. Priority is given to PELL-eligible students.	Awards range from \$500-\$2,500 and are based on the availability of funds.
Federal Perkins Loan	Low interest loan (5%) subsidized loan. No interest accrues while the student is enrolled.	Awards range from \$500-\$1,500 and based on the availability of funds.
Federal Direct Subsidized Loan	Long term, low interest loan. No interest accrues while the student is enrolled at least half time.	Visit the JSC website for loan eligibility amounts based on completed credits.
Federal Direct Unsubsidized Loan	Borrower is responsible for interest during life of the loan. Student must be enrolled at least half time to borrow.	Visit the JSC website for loan eligibility amounts based on completed credits.
Federal Direct Parent PLUS Loan	Long-term loan, interest rate determined July 1 of each year. Enables parents with a good credit history to borrow for educational expenses for their dependent student.	PLUS Pre-Application (available on the JSC Website) is required. Parents can borrow the difference between cost of attendance and aid awarded.
Federal Work-study Program (FWS)	Provides on-campus employment for students to earn money to pay for educational expenses.	Award is generally \$1,500 (Student is allotted \$750 per semester.)
Vermont Student Assistance Corporation (VSAC) and State Incentive Grant Programs	<ul style="list-style-type: none"> • FAFSA required • VSAC Grants are restricted to undergraduates who are permanent residents of Vermont. Complete the VSAC Grant Application at www.VSAC.org. • Non-residents are encouraged to contact their State Higher Education Agency for information on application procedures and deadlines for possible state funding. 	Grant amounts are determined by the individual state agencies that offer state grants.

Note: Students who have already earned a baccalaureate degree are eligible only for Federal Direct Unsubsidized Loans.

Satisfactory Academic Progress Policy (SAP)

In order to maintain eligibility for financial aid, Federal regulations require that students make Satisfactory Academic Progress (SAP) at a pace that ensures they complete their degree within the maximum time frame allowed (as measured by credit completion rates). The second requirement is to maintain good academic standing (as measured by cumulative GPA). Students' records will be reviewed on an annual basis after the completion of the spring semester to assess compliance with this policy. All semesters of enrollment, including summer and periods in which the student did not receive federal student aid funds, will be considered in the determination of SAP.

Students not making Satisfactory Academic Progress (either the pace and/or GPA requirement) will have their financial aid eligibility suspended for all aid types. Students whose aid eligibility has been suspended have the option to appeal to the Financial Aid Review Board for reinstatement of their financial aid eligibility. Students who are academically dismissed from the college are automatically recognized as failing to meet SAP standards.

Pace Requirement: Students must successfully complete at least 67% of the total credits for which they enroll. Successful completion of credit hours for undergraduate students means earning passing grades (D- and above and P). For graduate students, passing grades (A, B, B- and P) are calculated as successful. Unsuccessful completion of credit hours is represented by the grades F, NP, W and I (unless you inform us of a grade). Remedial courses are not counted in the SAP calculation. Transfer credits must be counted as both attempted and completed credits for the calculation of pace and maximum time frame but do not affect GPA. Undergraduate and graduate students may repeat previously passed courses just once and may repeat failed courses until receiving a passing grade and be allowed to receive financial aid for the repeat. All repeat attempts are, however, included in the pace and maximum time frame calculations.

Example: How to Calculate the Pace Requirement

If you attempt/enroll in a total of 30 credits during the fall and spring semesters, you must successfully complete at least 20 credits. Calculate using $30 \text{ credits} \times 67\% = 20 \text{ credits}$. This is the minimum that must be completed.

Grade Point Average (GPA): Undergraduate students with fewer than 30 attempted credits must maintain at least a cumulative GPA of 1.75. Students with 30 or more attempted credits must maintain at least a cumulative GPA of 2.0. Graduate students must maintain a 3.0 cumulative GPA. Cumulative GPA includes all terms of your enrollment at JSC.

Maximum Time Frame: In order to receive aid, students must complete their degree within a time frame of no longer than 150% of the credits required. This includes credits attempted at JSC and transfer credits. See below for differences among associate, bachelor and master degrees.

- A.A. or A.S. degrees require 60 credits to meet graduation requirements; the maximum number of credits allowed for financial aid eligibility is 90. ($60 \text{ credits} \times 150\% = 90 \text{ credits}$)
- B.A., B.F.A. and B.S. degrees require 120 credits to meet graduation requirements; the maximum number for financial aid eligibility is 180 credits. ($120 \text{ credits} \times 150\% = 180 \text{ credits}$)
- M.A. and M.F.A. degree time frames are determined by the program.

Notification of Aid Suspension: Students whose aid has been suspended will receive notification mailed to their home address and by email. The notification will explain which SAP requirement(s) has/have not been met as well as instructions for the appeal process. Students do not have to appeal if they no longer want financial aid. Academically dismissed students who are appealing their dismissal from JSC must request a SAP Appeal Form from Student Financial Services.

Types of Aid Suspended: All federal aid (Pell Grants, Supplemental Education Opportunity Grants (SEOG), Work-study, Perkins, Direct subsidized or unsubsidized student loans, Graduate PLUS and Parent PLUS Loan), State Incentive Grants, JSC Institutional Grants, JSC Scholarships, as well as Private Educational Loans. This may also apply to scholarships/loans from an outside resource. JSC scholarships that have specific requirements in order to maintain eligibility (GPA for example) will not be reinstated even with an appeal approval.

Appeal Process: Students who elect to submit an appeal must explain why they failed to make Satisfactory Academic Progress and what has changed in their situation that will allow them to make Satisfactory Academic Progress going forward. Students should include the reason(s) their academic performance was affected, such as extenuating circumstances that had an impact. Some examples may be illness, death of a family member, etc. A typed, one-page explanation with your name and Student ID# is required. Third-party documentation that can substantiate the circumstances is strongly recommended. In most cases, no more than two appeals will be considered and only if the student has new information to provide.

Appeals will be reviewed by the JSC Financial Aid Review Board; please note that submission of an appeal does not mean it is approved. Items considered will be the student's ability to meet the required Pace and/or GPA after a one-

semester probationary period, the ability of the student to complete his/her degree within the maximum time frame, and/or the student's ability and willingness to adhere to specific stipulations of an academic plan created with an advisor.

If a student's appeal is approved, the student's financial aid eligibility will be reinstated on a probationary basis; aid will be awarded per payment period. Progress will be checked at the end of each payment period/semester to see if SAP standards are now met or an academic plan is being adhered to; this includes summer terms.

Notification of Decision: *Students are notified only by email, using their JSC email address.* It is the student's responsibility to monitor his/her JSC email account and check for communications regarding financial aid. Students are encouraged to observe all routine application procedures and deadlines for financial aid while waiting for notification of a decision. If an appeal is not granted, a student may re-establish eligibility to be considered for federal aid in the future by attending JSC without financial aid assistance until the SAP policy requirements are met. The decision of the JSC Financial Aid Review Board is final and may not be appealed.

How to Avoid Satisfactory Academic Progress Problems from Day One

- Plan your class schedule and workload carefully so you do not need to withdraw from courses.
- If you need to withdraw from a course, check with your advisor and the Office of Student Financial Services first.
- Your grades are important; take your education seriously and get assistance if you are struggling in a class.
- Remember that student loans must be repaid. Do not go into debt and have nothing to show for it.

Veterans' Benefits

Students eligible to receive veterans' education benefits must contact the Registrar's Office and arrange to have their enrollment certified with the Veterans Administration. The amount of monthly checks is determined by full- or part-time enrollment status. In order to receive maximum benefits, students must be enrolled full-time in at least 12 credits during a regular semester. Those enrolled in fewer than 12 credits receive proportionately smaller benefits.

Enrolling in an independent study (research, field work, internship) or in music or health and physical education courses may affect the amount of monthly checks. Students contemplating enrolling in these courses should call the V.A. to determine exactly how benefits will be affected. V.A. regulations exempt some internship experiences from reduction in benefits. Veterans enrolling in an internship should consult the Registrar's Office to determine whether their internships comply with these special regulations.

In order to be considered for maximum benefit payments, the internship must comply with the following special V.A. criteria in addition to meeting JSC requirements:

- Each approved field experience must have a college faculty member as an assigned instructor and must be supervised by the College.
- The planned program of activities must be controlled by the College.
- Meetings must be regularly scheduled on at least a weekly basis to provide for interaction between the instructor and the student. (Class attendance is defined as any regularly scheduled meeting with the instructor, regardless of location.)
- Appropriate assignments must be required.
- The grading system must be the same as that used for in-residence courses at the College.
- Required preparation and training time per credit hour must be at least as great as normally required for other courses offered at the College.
- The field experience approved by the College must be required for graduation.
- The field experience must be measured in the same unit (semester credits) as other courses.

- Students residing off campus and expecting a refund of financial aid funds for living expenses will not receive those funds until after the add/drop period.

The student veteran is responsible for seeing that the internship contract form explicitly indicates how each of these criteria is met.

Costs

Tuition & Fees, 2014-2015 Academic Year

Full tuition and fees are charged to undergraduate students registered for 12 to 18 credit hours per semester. Students taking fewer than 12 credits are considered part-time students and are billed for the credit hours they take.

Students taking more than 18 credits are billed on a cost-per-credit basis for the additional credits.

During the summer, out-of-state residents are charged the in-state tuition rate plus 50 percent.

Vermont residents who are 65 or older as of the first date of classes and who are not matriculated receive a full tuition waiver. These students may not take the place of a paying student in courses with enrollment limits. No discount is applied to course fees or other student fees.

	VERMONT RESIDENT		NON-VERMONT RESIDENT		NEW ENGLAND & GOOD NEIGHBOR AWARD RECIPIENTS	
	<i>Semester</i>	<i>Year</i>	<i>Semester</i>	<i>Year</i>	<i>Semester</i>	<i>Year</i>
Tuition <i>(Full-time undergraduate, 12-18 credits)</i>	\$4,800	\$9,600	\$10,800	\$21,600	\$7,200	\$14,400
Housing <i>(double)</i>	\$2,803	\$5,606	\$2,803	\$ 5,606	\$2,803	\$5,606
Board <i>(full meal plan)</i>	\$1,904	\$3,808	\$1,904	\$ 3,808	\$1,904	\$3,808
Student Activity Fee* <i>(full-time students)</i>	\$127	\$254	\$127	\$254	\$127	\$254
Campus Initiative Fee* <i>(full-time students)</i>	\$375	\$750	\$375	\$750	\$375	\$750
Health Insurance**	\$2,038	\$2,038	\$2,038	\$2,038	\$2,038	\$2,038
Estimated Total <i>(full-time students)</i>	\$12,047	\$22,056	\$18,047	\$34,056	\$14,447	\$26,856

Miscellaneous Expenses (books, transportation, personal needs)	\$1,125	\$2,250	\$1,225	\$2,450	\$ 1,225	\$2,450
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**Part-time, matriculated students are charged a pro-rated amount for the Student Activity Fee and the Campus Initiative Fee. The Student Activity Fee and Campus Initiative Fee are not charged to EDP students. EDP students pay an EDP Services Fee. (See Explanation of Fees below)*

*** The health insurance charge of \$2,038 is a yearly rate and is based on full-time enrollment starting in the fall semester. The charge for students who enroll in the spring semester is \$1,342.*

Cost Per Credit Hour (part time or over 18 credits):

Vermont Resident	\$400 per credit
Non-Vermont Resident	\$900 per credit
Tuition Break Program	\$600 per credit

Family Waiver

In recognition of the financial burden placed on families with more than one family member in college at JSC, the College offers a reduced rate for dependent family members who are concurrently enrolled in the College's undergraduate programs (including EDP). Tuition charged to the second and subsequent members of the same family unit concurrently attending JSC will be reduced by 25 percent, provided that all such family members are enrolled as undergraduates pursuing studies on a full-time (12+ credit hours) basis. Members of the same immediate family unit are defined as:

- Siblings if they are dependents of their parents;
- Parent and children combinations (when such children 24 years of age or younger are dependent of their parents);
- Married spouses or parties to a civil union.

Room & Board

Students living in the college residence halls are charged per semester for room and board. All students living in the residence halls are charged the full-meal plan (21 meals per week) each semester. Students may arrange for an alternate meal plan by submitting a Meal Plan Change Form, which is available on the MyJSC portal under Web Services under Student Billing & Finances, by the end of the first week of classes each semester.

Additional Fees

Application for Degree Fee	\$ 89
Automobile Registration Fee	\$ 75 per year
Course Change Fee (after add/drop period)	\$ 22 per course
Course Fee (applies to certain courses only)	Varies per course

Late Financial Clearance Fee	\$ 100
Orientation Fee (<i>new students only</i>):	
Fall Semester	\$ 275
Spring Semester	\$ 132
Registration Fee (<i>for non-degree students</i>)	\$ 58 per semester
Student ID Replacement Fee	\$ 35

Explanation of Fees & When They Apply

Application for Degree

This fee covers the costs of a review of the degree plan, a diploma and Commencement-related activities. All students are charged this fee regardless of their attendance at the Commencement Ceremony. Students receiving degrees at separate ceremonies will be charged the full fee each time. Graduates attending Commencement exercises are required to purchase a cap and gown, at an additional cost through the College bookstore.

Automobile Registration

Any student operating a motor vehicle on College property must register the vehicle with the Public Safety Office. Each year a \$75 fee is required.

Books & Supplies

Students should budget at least \$500 per semester for books and supplies. The College Bookstore operates on a cash basis and does not extend credit, but it does accept major credit cards. Additionally, during the add/drop period, students who have been given clearance by Student Financial Services may charge books and supplies to their student account. Forms may be obtained at the College Bookstore.

Campus Initiative Fee

This fee supports the development of facilities and other campus needs for JSC students. The fee is \$375 per semester for full-time students. Part-time students taking fewer than 12 credits pay \$31 per credit.

Course Change Fee

This fee is charged for each course added or dropped after the specified add/drop period.

Course Fee

Certain courses require billing of fees to cover special materials, studio or instructional costs for certain courses. Course fees are listed in each semester's course bulletin and on Web Services.

EDP Services Fee

This fee helps to defray the costs associated with running a long-distance degree program. The charge is \$193 per semester for full-time enrollment (12 or more credits) and \$16 per credit for part-time enrollment. This fee is charged to EDP students only.

Health & Accident Insurance

Health insurance is mandatory for all full-time undergraduate and graduate students not otherwise covered. A student must either accept the College insurance or certify their existing coverage through the health insurance link in VSC Web Services. This must be completed before the student's payment will be considered finalized. Failure to complete this will result in the student automatically being enrolled and billed for the College insurance.

Late Financial Clearance Fee

This fee can be charged to students who do not meet the published deadline for finalized payment.

Orientation Fee

This fee covers the cost of the Orientation Program, which acquaints new on-campus students with the JSC campus, JSC resources and services, and students, faculty and staff.

Registration Fee

This per-semester fee is required of each part-time, non-degree student who enrolls in one or more courses during a semester.

Student Activity Fee

This fee covers the expense of student clubs, activities and publications. EDP students are exempt from this fee, which otherwise is \$127/semester for full-time, matriculated undergraduate students and \$11/credit for students enrolled in fewer than 12 credits.

Student Identification Card Replacement Fee

Each student is issued an identification card free of charge. A \$35 fee is charged for replacement cards.

In-State Residency Requirements (VSC Policy 301)

The following requirements must be met by a student prior to being granted resident status for the purpose of admission, tuition and other charges at a Vermont State College:

1. The student shall be domiciled in Vermont, with said domicile having been continuous for one year immediately prior to the date of enrollment unless the student, in accordance with 16 V.S.A. §2185, is a member of the armed forces of the United States on active duty who is transferred to Vermont for duty other than for the purpose of education. Domicile shall mean a person's true, fixed and permanent home to which he/she intends to return when absent. Domicile shall not be dependent upon a person's marital status. Although domicile may have been established, a student is presumed to be an out-of-state resident for tuition purposes if he or she moved to Vermont or continues residence in Vermont for the purpose of attending a Vermont institution of higher learning or qualifying for resident status for tuition purposes. (This presumption is rebuttable.)
2. The student must demonstrate such attachment to the community as would be typical of a permanent resident of his/her age and education. In determining residency for the purpose of tuition charges, the College's chief Admissions officer shall consider such factors as voter registration, property ownership, payment of income and property taxes, automobile registration, and driver's license.
3. A student who has not reached the age of 18 shall be presumed to hold the residence of his or her parents or legal guardian. In addition, receipt of significant financial support from the student's family creates a rebuttable presumption that the student's residence is with his/her family.
4. A student who moves into Vermont within one year of enrollment shall be presumed to have moved to Vermont for the purposes of attending a Vermont institution of higher learning and qualifying for resident status for tuition purposes. (This presumption is rebuttable.)
5. A student who is eligible for tuition purposes to enroll as a resident student in another state shall not be enrolled as a Vermont resident. The inability to enroll as a resident student in another state does not by itself establish residency in Vermont for tuition purposes. Additionally, a domicile or residency classification assigned by a public or private authority neither qualifies nor disqualifies a student for in-state residency status at a VSC institution; however, such classification may be taken into consideration by the chief Admissions officer.
6. A student enrolling at the Vermont State Colleges shall be classified by the College's chief Admissions officer as a resident or non-resident for tuition purposes. The decision by the officer shall be based upon information furnished by the student and other relevant information. The officer is authorized to require such written documents, affidavits, verifications or other evidence as he/she deems necessary.
7. In all cases, the burden of proof rests the student claiming to be a Vermont resident for tuition purposes to submit clear and convincing evidence.
8. Changes in residency status for tuition purposes shall become effective for the semester following the date of reclassification.
9. A student with resident status for tuition purposes will lose that status if he/she at any time fails to meet the above requirements. In this event, resident tuition and other charges shall continue in effect only until the end of the academic year.
10. The decision of the College's chief Admissions officer on the classification of a student as a resident or non-resident for tuition purposes may be appealed in writing to the College's Dean of Administration. Further appeal of a classification of a student's residency for tuition purposes may be made in writing to the Office of the Chancellor. The decision of the Office of the Chancellor is final.
11. An applicant for admission or enrollment may obtain a determination of residency status for tuition purposes in accordance with the above criteria and procedures in advance of admission or enrollment.

Payment Procedures

Finalize Payment with the Office of Student Financial Services

All students must finalize payment with Student Financial Services. "Finalize Payment" means that:

- All semester charges and any previously due balance are paid in full or covered by a monthly payment plan sufficient to cover tuition and fees for the semester; AND
- All financial aid (grants, loans and scholarships) is ready to be disbursed, if applicable; AND
- The student has either elected or waived the VSC health insurance.

Monthly Payment Plan

Students may sign up for a monthly payment plan by accessing Student Services on the MyJSC Portal (<http://MyJSC.jsc.edu>). Students using this plan will be considered to have finalized payment upon confirmation of plan participation. The plan enables the student or parent to pay all or part of the semester's charges in four, five or six equal installments starting June 1. (Participation in the plan also may start after June 1.) Visit the portal or call Student Financial Services at 802-635-1671 for more information.

Payment Due Dates

Student bills are posted to the Student Services section of the MyJSC Portal on the 1st and 15th of each month. Payment due dates are published on the student billing site. A late fee applies if payment is not finalized by the payment due date. Students owing money from prior semesters may not register for classes until the outstanding balance is paid. Current-semester bills that are not paid in full by the end of the semester will result in withholding of transcripts and possible administrative dismissal until a satisfactory settlement is made.

Students can receive supplemental charges during a semester for such items as residence hall charges or parking fines. These charges are listed on student bills and can be viewed on the MyJSC Portal. Payment is due 30 days from the date on the bill.

Application of Financial Aid Awards

Financial aid that has been reported to Student Financial Services is credited as follows:

- Grant funds authorized by Student Financial Services are credited directly to student accounts.
- Perkins Loans and Federal Direct Loans are credited to student accounts after promissory notes have been signed.
- Students who anticipate receiving financial assistance from sources other than the College are reminded to arrange for payments to be forwarded to Student Financial Services as early as possible. Students are advised to confirm these other sources of financial assistance with Student Financial Services.
- Paychecks are issued to students for work-study and other campus employment once they obtain a job and begin submitting time sheets. Anticipated employment earnings cannot be used as a credit against a student's account.
- Students residing off campus and expecting a refund of financial aid funds for living expenses will not receive those refunds until after the add/drop period and their aid has been transmitted.

Refund Policy

In the event of withdrawal, dismissal, resignation, leave of absence or the dropping of classes in a manner that affects student charges, including tuition, room and board, and course and other fees, any refund will be calculated on a daily

pro-rata basis, using the same schedule used to determine the amount of the federal Title IV returns, with the following exceptions:

- If a student withdraws during the first seven calendar days of the semester, the amount of refund of all student charges (tuition, fees, room and board) will be 100 percent.
- If a student withdraws after the 60 percent point of the semester, there will be no refund of charges for tuition, fees and room.
- Fees paid to acquire college health insurance are not refundable under any circumstances.
- If a student is suspended or dismissed from on-campus housing, there will be no credit of room charges. However, board (meal) charges will be credited for each full week of suspension/dismissal from on-campus housing.

The pro-rata calculation is the number of calendar days completed divided by the number of total calendar days included for the full semester. For all students, including External Degree Program students, the first day of the semester is the date the classes start as published in the College catalog, regardless of the date of the student's first class.

NOTE: Ceasing to attend classes does not constitute the dropping of classes or withdrawal from the College. In order to be eligible for a refund or repayment as outlined above, a student MUST notify the Dean of Students and the Registrar's Office of his/her withdrawal.

Tuition Adjustments

Any adjustments in tuition charges will be based on the courses on record at the end of the second week of the semester. No tuition refund will be given for any half-semester course dropped after the second week of the semester, for classes dropped during the mid-semester add/drop period, or for approved late withdrawals.

The student or parent may appeal the refund policy if he/she believes there are individual circumstances that warrant an exception. Appeals are made to the Dean of Administration.

Adjustments to Financial Aid Awards

Financial aid awards may need to be adjusted if a student exits the college during a semester. Federal regulations govern the return of Title IV funds for students eligible for federal financial aid. The College is guided by those regulations with regard to the return of institutional aid as well. Other aid, such as state grants and outside scholarships, will be returned as specified by the grantor. If a student stops attending all classes and does not complete an Exit Notification and/or Leave of Absence Form at that time, any Title IV funds received by that student may be adjusted or canceled, and the student will then be personally responsible for his/her bill. If Title IV money needs to be returned, it will be returned in the following sequence:

- Federal Unsubsidized Loan
- Federal Subsidized Loan
- Federal Perkins Loan
- Federal PLUS Loan
- Federal Pell Grant
- FSEOG

Employment through the federal work-study program is terminated on the date the student withdraws. Awards from sources other than the College and Title IV funding are adjusted according to the source agency's own policy.

The External Degree Program follows the same refund policies as noted above. If an EDP student withdraws from a course at another institution, the student will be charged the prorated tuition and fees due to the other institution.

Administrative Dismissal

Students with outstanding overdue balances on their accounts and who have not responded to inquiries from Student Financial Services about payment or who have indicated a refusal to pay that balance are subject to administrative dismissal from the College.

Administratively dismissed students must cease attending all classes immediately, do not receive any credit for work done during that semester, and remain liable for the unpaid balance. If the student is administratively dismissed after the first seven days and before the end of the 60 percent point of the semester, he/she will be credited tuition, fees, aid, and room and board on a pro-rata basis. The pro-rata basis calculation will use the number of calendar days completed divided by the number of total calendar days included for the full semester. After the 60 percent point of the semester, there is no adjustment for tuition, fees or room charges.

Student Services

Academic & Student Life

Orientation

New first-year and transfer students must attend an orientation program that occurs just prior to the start of the semester. Students will participate in a series of meetings, information sessions, small-group activities, social gatherings and special events intended to ensure a successful transition to Johnson State College. Administrators, faculty, staff and upper-class students are available to assist students with their introduction to the JSC community. Students will have an opportunity to discuss academic requirements, social and recreational activities, and the regulations and rules governing college life.

Office of First-Year Experience

The First-Year Experience Program includes a variety of programs and services designed to help first year students make a successful transition to the demands of college life. FYE is consists of the following components:

- New Student Orientation
- First-Year Seminars
- Common Reading Initiative
- Residential Programming
- Peer Mentoring

Advising & Career Center

This Center coordinates a variety of programs and services, encouraging students to be active participants in their own educational and career development. It serves as a hub for local, national and international experiential-learning opportunities that support major and career exploration and connect learning to life beyond Johnson State College. Programs and services include:

- Academic advising
- Assistance in choosing a major

- JSC's Exploratory program for students who have not declared a major
- Career development and planning
- Job, internship and volunteer opportunities
- Career resource library
- International student support
- National Student Exchange
- Study-abroad opportunities and advising

Academic Support Services

The Office of Academic Support Services offers a range of support to JSC students as they progress through their college careers. The goal is to provide support that empowers students to successfully complete their college education and prepares them for further education and employment. The office works with all students at JSC, coordinates services for TRIO students, works with students to develop essential "college survival" skills such as note and test taking, active reading, study and research skills, and time management.

Services for Students with Disabilities

Johnson State College is committed to providing students with disabilities an equal opportunity to participate in all aspects of the educational environment. The learning specialist in the Office of Academic Support Services works with students with disabilities to obtain appropriate accommodations, such as testing accommodations, note-taking assistance, sign language interpreters, textbooks in alternative formats, and assistive technologies.

Current and comprehensive documentation of a disability is necessary to be eligible for academic accommodations. Guidelines and necessary forms are available on the JSC website and the MyJSC Portal at <http://MyJSC.jsc.edu>.

Academic Coaching & Tutoring

Academic Support Services provides a friendly and supportive environment for students seeking to improve their academic performance. Professional staff and peer coaches can help foster academic success by encouraging students to become more independent learners.

Services for TRIO Students

Academic Support Services is partially funded by a federal TRIO grant from the U.S. Department of Education. The purpose of TRIO is to provide support to populations typically under-served by post-secondary education. To be eligible for TRIO services, a student must meet at least one of the following criteria: be from a family where neither parent completed a four-year bachelor's degree; be from a family of low or modest income; or have a documented disability.

Services to students accepted into the TRIO program at JSC include priority standing for academic coaching, access to technology, financial-literacy information, and free tickets to selected campus cultural events.

National Student Exchange

The National Student Exchange (NSE), coordinated out of the Advising & Career Center, is a network of nearly 200 colleges and universities in the United States and Canada. Through NSE, JSC students who meet the eligibility requirements can spend a semester or a year at one of these institutions, earning credit toward their JSC degree.

typically at JSC tuition rates. International exchange opportunities are available through participating institutions with study-abroad programs open to NSE exchange students.

Study Abroad

In addition to the study-abroad opportunities available through NSE and various affiliate programs, many JSC programs and faculty sponsor short-term international study tours, field research projects and service learning opportunities. Early planning is encouraged to assure the timely completion of all academic degree requirements. Students considering a semester abroad should meet with an advisor in the Advising & Career Center at least six months prior to the semester in which they wish to study abroad. All study-abroad experiences that are not part of a class must be arranged through the Advising & Career Center.

Support for International Students

Johnson State College creates opportunities for the campus community to meet and interact with students from multicultural and international backgrounds. Committed to enhancing the diversity of its student body, the College promotes the enrollment of international students, as well as U.S. residents who are English language learners (ELLs), whose participation in college life helps expand the JSC community's awareness of world and intercultural issues and events. Students at JSC have come from numerous countries, including Canada, Colombia, Jamaica, Korea, Mexico, Brazil, Saudi Arabia, Sweden, Japan, Pakistan, France, Poland, Indonesia, Norway, Congo, Sudan, Romania, China, Gabon, Argentina, Somalia and the Philippines.

JSC offers a wide range of support to English language learners to assist in a successful transition to the challenges of American college life and studies, including: orientation to campus and community life; support for cultural and academic adjustment; advice and assistance with career, immigration and visa matters; advocacy to enhance campus awareness of multicultural perspectives; and academic support to meet the needs of international students and English language learners.

Public Safety

The Office of Public Safety is here for the safety of all students, faculty and staff on the JSC campus. In addition to overseeing campus security and This office also coordinates the work of the Campus Crisis Response Team, a group of staff and faculty that meets regularly to plan procedures in the event of a crisis or emergency on campus.

In addition, a variety of safety and security training programs are offered through the Residence Life office and the Counseling Center. Information on current JSC policies relevant to criminal actions, campus law enforcement, training programs, policies and campus crime statistics can be found on the Johnson State College website at www.jsc.edu/offices-non-academic-departments/public-safety/campus-safety-information.

Residence Life

The Office of Residence Life facilitates student growth and development by providing a variety of options in living environments, programs and activities. Student growth is fostered in an environment that encourages freedom of choice and responsible behavior.

All Johnson State residence halls and residence hall rooms are smoke-free. Each room offers Internet access, telephone service (with voicemail) and cable TV service.

Housing Policies & the On-Campus Residence Requirement

To the extent that space is available, Johnson State requires full-time first- and second-year students to reside in on-campus housing and participate in the College meal plan. It is the College's philosophy that the residential life experience provides opportunities for educational, cultural and social enrichment that are necessary components of an individual's growth.

Detailed information about JSC residence halls and exemptions from the on-campus housing requirement is available on the JSC website at www.jsc.edu.

College Meal Plan Contract

All students living on campus are required to participate in the College Meal Plan. Sodexo Food Service Corporation provides quality food service to the Johnson State College campus. Students are invited to take advantage of the numerous dining options that accommodate a variety of appetites and schedules. Vegetarian and vegan options, as well as hot line items, soups, salads and deli bar are available on a daily basis.

Meal plan exemptions will be considered for medical reasons only. Requests to be released from the meal plan policy must be made in writing to the Housing Review Committee. The online exemption form must be used. Refer to the JSC website or Student Handbook for meal exemption criteria. See Tuition and Fees section for meal plan fees.

Counseling & Health Centers

The Counseling Center offers JSC students a safe and confidential place for self-exploration and personal growth. Individual, couples and group counseling services are available. Services also include referrals to community resources, presentations/workshops, campus-wide mental-health screenings and mental-health crisis assistance.'

The JSC Health Center is another resource available to students. The Center is professionally staffed and provides treatment and referrals by appointment and on a walk-in basis.

Clubs, Organizations & Athletics

Student Association & Student Activities

The JSC Student Government Association (SGA) fosters student involvement in a wide range of social, cultural, intellectual and recreational activities on campus. Each undergraduate who pays the activity fee (living on or off campus) is a member of the JSC Student Government Association. The SGA budget is derived from the annual student activities fee. The budget provides funding for an extensive schedule of dances, concerts, films, lectures and other student-planned activities and events.

Clubs & Organizations

JSC has several clubs and student organizations that provide opportunities for students to gain valuable leadership experience while sponsoring numerous events for the entire campus community. Club sports are organized by students and compete at a level that is determined by the club members and in consultation with the Office of Student Activities.

Detailed information about JSC clubs and student activities is available on the Student Life section of the JSC website at www.jsc.edu.

Athletics & Recreation

The mission of the Johnson State College Athletics Department is to provide comprehensive and competitive varsity programs for skilled student athletes. Varsity athletics programs at JSC are operated in a way that contributes to the personal development of all student-athletes. JSC varsity teams compete in NCAA Division III and are part of the North Atlantic Conference. Students interested in competing on the intercollegiate teams must meet the NCAA eligibility standards. Included in those standards, student athletes must remain in good academic standing and maintain satisfactory progress toward degree as defined by Johnson State College (see Academic Regulations & Requirements) in order to compete.

The Athletics staff helps student-athletes develop skills in leadership, communication/motivation and time management. JSC student-athletes commit to serving as role models in the community and participate in a variety of community service and mentoring programs. Recent programs include Readers as Role Models, Kids Night Out, Gym Days, Shoot for Goals, and camps and clinics in basketball, soccer, softball and volleyball.

JSC also offers numerous sports, fitness and recreational facilities and opportunities to all students on campus. See the Student Life section of the JSC website at www.jsc.edu and the Athletics website at athletics.jsc.edu for information about facilities, intramurals and recreation programs.

Code of Conduct

Each student is responsible for being aware of the policies, rules and regulations that govern the campus and set standards for behavior. The Code of Conduct is published in the Student Handbook and on the JSC Portal. The Code of Conduct explains the process by which disciplinary action may be taken for student misconduct. Copies of the Code of Conduct may be obtained from the Dean of Students Office.

Directory

Full-Time Faculty

Aubuchon, Christopher. Associate Professor
Ph.D., Mathematics, University of Kentucky
Specializations: Homological algebra and module theory, number theory

Bacchus, Tania S. Professor
Ph.D., Oceanography, University of Maine at Orono
Specializations: Oceanography (marine geology), quaternary studies, environmental sciences

Beach, Jensen. Assistant Professor
M.F.A., Fiction, University of Massachusetts-Amherst
M.A., English, Stockholm University

Black, James. Professor
Ph.D., Systems Science, Portland State University
Specializations: Leadership, management, Java programming, general systems theory

Blair, Steve. Professor
M.M., Music, University of Massachusetts
Specializations: Jazz performance and recording

Born, Staci. Assistant Professor
M.S., Mental Health Counseling, Minnesota State University

Bou-Nacklie, N.E. Professor
Ph.D., Middle Eastern History, University of Utah
Specializations: Middle East, Africa, Third World

Brinegar, Kathleen. Assistant Professor
Ed.D., Educational Leadership and Policy Studies, University of Vermont
Specializations: Middle Level Education, Adolescent Literacy, Women's Studies

Cezar, Henrique. Associate Professor
M.B.A., McGill University
Specializations: Financial market analyst, asset management, and international business

Cline, Sharon Elise. Associate Professor
Ph.D., Modern French and European History, University of Wisconsin - Madison
Specializations: History of modern France, modern European intellectual and cultural history, European women's and gender history

Clute, Sean. Assistant Professor
M.F.A., Electronic Music and Recording Media, Mills College
Specializations: History of modern France, modern European intellectual and cultural history, European women's and gender history

Comen, Todd. Professor.
M.P.S., Hotel Administration, Cornell University.
Specializations: Impact of the hospitality industry on the community at large, organizations that operate with a mission of social responsibility, and hospitality organizations that create a whole experience for the customer

Dolci, Elizabeth D. Professor
Ph.D., Environmental Health Sciences, University of Michigan
Post Doctoral: Cell Biology, Yale University
Specializations: Cell signaling in paramecium, science education

Doyle, William. Professor
Ed.D., Education, Columbia University

Farara, Joseph M. Professor
M.S., Information Science, Simmons College
Specializations: Library, American popular music

Fink, David. Professor
Ed.D., Counselor Education, University of Maine, Orono
Specializations: Counseling theories, helping skills, psychology of the Civil War, and internship supervisor

Genter, Robert B. Professor
Ph.D., Biology, Virginia Polytechnic & State University
Specializations: Ecological toxicology, limnology, phycology

Green, Susan E. Professor
Ph.D., Sociology, University of Montana
Specializations: Gender roles, sociolinguistics, sexuality and intimacy, qualitative methods, medical sociology-health and wellness

Haverkamp, Hans Christian. Associate Professor
Ph.D., Kinesiology with an emphasis in Exercise Physiology, University of Wisconsin - Madison

Kanat, Leslie H. Professor
Ph.D., Earth Sciences, University of Cambridge, England
Specializations: Structural geology and metamorphic petrology

Leslie, Kenneth. Professor
M.F.A., Painting and Printmaking, University of Pennsylvania
Specializations: Painting, drawing and artist's books

Longtin, Russell. Professor
Ph.D., Acting/Directing, University of Michigan
Specializations: Acting/Directing

Martin, Mary. Associate Professor
Ph.D., Art History and Cultural Policy, University of Iowa
Specializations: 20th century art, African art, legal issues in art

McGough, David. Associate Professor
Ph. D., Educational Policy and Administration: Social and Philosophical Foundations of Education, University of Minnesota
Specializations: Secondary education, foundations of education, leadership studies

Miller, John. Professor
M.F.A., Visual Studies Workshop, SUNY at Buffalo
Specializations: Photography, documentary studies, oral history, writing, exhibition design, and planning graphic design

Mireault, Gina C. Professor
Ph.D., Developmental Psychology, University of Vermont
Specializations: Infant humor perception and creation, social referencing, tantrums, parental loss in childhood

Moskowitz, Brad. Professor
M.A., Leadership and Experiential Education, Prescott College
Specialization: Outdoor education, adventure education and wilderness leadership

Pellerin, John. Associate Professor
Ph.D., Purdue University
Specializations: Chemistry, physics

Petrics, Gregory. Assistant Professor
Ph.D., Mathematics, Dartmouth College

Plazek, David. Associate Professor
Ph.D., Political Science

Plissey, Bethany. Assistant Professor
M.A., Music, Indiana University

Powell, Elizabeth. Assistant Professor
M.F.A., Fiction Writing, Vermont College
Specializations: Poetry, fiction, non-fiction

Saeed, Timothy. Visiting Assistant Professor
M.M., Piano Performance, University of New Mexico
M.M., Music Theory, Boston University

Schulze, Robert. Assistant Professor
M.ED., Special Education, Westfield State University

Shaw, Tyrone. Associate Professor
M.F.A., Writing, Union Institute & University

Silver, Paul L. Professor
Ph.D., History, University of Pennsylvania
Specializations: Progressive movement and New Deal; women in American history; Chinese and Japanese history

Theoret, Julie. Professor
Ph.D., Nonassociative Algebra, University of Virginia
Specialization: K-12 math education

Towner, Daniel. Professor
Ph.D., American Literature, Ohio University
Specializations: American literature, writing, film

Tretjak, Kaya. Visiting Assistant Professor
Ph.D., Anthropology, City University of New York

Twigg, Sharon. Associate Professor
Ph.D., Nineteenth Century British Literature and Culture, University of Wisconsin - Madison

Uhlendorf, Karen J. Professor
Ed.D., Physical Education Curriculum and Instruction, with special emphasis in Outdoor Adventure Education,
University of North Carolina at Greensboro
Specializations: Physical education and outdoor education

Welch, Amy. Associate Professor
Ph.D., Sport and Exercise Science, University of Leeds

Wiseman, Frederick. Professor
Ph.D., Geosciences, University of Arizona

Wolff, Maris. Professor
Special Training: Composition and Improvisation
Specializations: Modern dance, ballet, historical dance, Renaissance dance and history, Baroque dance, 19th Century dance, jazz dance, choreography dance history

Zebrowski, Michael. Assistant Professor
M.A., Architecture, Cranbrook Academy of Arts

Part-Time Faculty

(Partial list, subject to change without notice.)

Alberi, Sawyer. B.S., U.S. Coast Guard Academy

Baird, Sandra. M.A., University of Wisconsin

Baker, William. M.A., Johnson State College

Bandar, Leila. M.F.A., Boston University

Blueter, DeAnne. M.A., Johnson State College
Bond, Bethany. M.F.A., Savannah College of Art & Design
Capps, Joe. B.M., Berklee College of Music
Chase, Victoria. Ph.D., Columbia University
Cravedi, Stefanie. M.A., Middlebury College
Delongis-Shively, Danielle. M.S.W., Smith College, School for Social Work
Foster-Weston, Colette. B.S., Johnson State College
Francoeur, Noble. M.A., North Adams State College
Kramer, Marjorie. B.F.A., Cooper Union School of Art and Architecture
Langley, Jacqueline. M.S., Columbia University
Leader, Andrew. M.A., University of Vermont
Light, Steven. M.F.A., Sarah Lawrence College
May, Amy. M.F.A., Indiana University
McCarthy, Sally. M.A., Johnson State College
Metcalf, Michael. M.A., University of Arkansas at Fayetteville
Molloy, Barbara. M.F.A., Hunter College
Moore, Mark. A.A., Shepherd College, NOLS Certified
Moran, James. J.D., Vermont Law School
Puleio, Mark. B.A., Prescott College
Rosovsky, Judy. B.S., University of Massachusetts at Boston
Rossiter, Timothy. Ed.D., University of Vermont
Salerno, S. Joseph. M.F.A., Indiana University
Shanley, Richard. M.A. and Certificate of Adv. Graduate Studies, University of Vermont
Spivak, Dawnine. M.Ed., University of Massachusetts at Amherst
Supple, Jennifer. M.S. University of Connecticut
Turkle, Ann. Ph.D., Florida State University
Verderber, Gustav W. M.A., Ohio State University
Weiss, Russ. M.A., Johnson State College
Winkler, Robert. M.S., State University of New York at Plattsburgh
Zolnoski, Victoria. B.F.A., Johnson State College

Emeritus Faculty

Philip Chiaravalle. Emeritus Professor of Biology, Ph.D., University of Rhode Island
Kathleen "Kit" Cooke. Emeritus Professor of History, M.Litt., Oxford University
John Duffy, Emeritus Professor of Humanities, Ph.D., Syracuse University
Robert A. Ellsworth. Emeritus Professor of Latin American History, M.A., Columbia University (Deceased)
Selma Guttman. Emeritus Professor of English, Ph.D., Columbia University (Deceased)
Robert Hutchinson. Emeritus Professor of Education, Ph.D., University of Connecticut (Deceased)
Walter A. Minaert. Emeritus Professor of Physical Education, Ed.D., Boston University (Deceased)
Margaret Ottum. Emeritus Professor of Environmental & Health Sciences, Ph.D., Oregon State University (Deceased)
Kenneth Raymond. Librarian, Emeritus Professor of History, M.A., University of Vermont (Deceased)
Edward Stefaniak. Emeritus Professor of Science, Ed.D., Boston University School of Education (Deceased)
Albert Swinchoski. Emeritus Professor of Music, Ph.D., University of Kansas (Deceased)
Alice Whiting. Emeritus Professor of Education, M.Ed., Boston University

Staff

Barbara Murphy, President of the College
M.F.A., Warren Wilson College

Daniel Regan, Dean of Academic Affairs
Ph.D., Yale University

David Bergh, Dean of Student Life & College Relations
Ed.D., University of Vermont

Sharron Scott, Dean of Administration, Chief Technology Officer
M.S., University of Vermont

Penny Paradee Howrigan, Associate Dean of Enrollment Services
B.A., Simmons College

Jo Ann Lamore, Assistant Academic Dean
M.A., Johnson State College

Douglas Eastman, Registrar
B.S., Springfield College

Michele Whitmore, Associate Dean of Students
M.A., Johnson State College

Lloyd Adams, Maintenance Master Technician, Physical Plant

Loralie Adams, Associate Registrar, Registrar's Office

Tom Adams, Custodian II, Physical Plant

Dianne Allaire, Mailroom Supervisor

Jeffrey Angione, Circulation Coordinator, Library

Kristilyn Atkinson, Student Development Coordinator, Upward Bound

Jessica Auperlee, Administrative Assistant, Public Safety

Lisa Baranyay, Database Manager, Development and Alumni Relations

Leila Bandar, Academic Skills Advisor, Academic Support Services

Amy Beattie, Coordinator of Online Learning and Services, External Degree Program

Jeff Bickford, Coordinator of Residential Life

Saul Blocher, Laboratory Technician, EPSCOR

Tony Blueter, Director, Upward Bound

Andrea Bourdeau, Admissions Specialist, Admissions

Deborah Bouton, Director of College Communications

Raymond Brior, Librarian II

Bonnie Burns, Custodian II, Physical Plant

Renate Callahan, Assistant to the Academic Dean, Academic Dean's Office

Kristin Cannon, Coordinator of Student-Athletic Development and Sport Coach

David Cavanagh, External Degree Program

Emily Colvin, Custodian II, Physical Plant

David Coolbeth, Maintenance Technician III, Physical Plant

Stacy Cote, Custodian II, Physical Plant

Lisa Cummings, Director of Financial Aid

Heloisa Dantas-Herder, Executive Assistant, President's Office

Linda Davis, Senior Accounting Specialist, Student Financial Services Office

Lynda Despault, Custodian II, Physical Plant

Woody Dionne, Director, Physical Plant

Carolyn D'Luz, Staff Assistant, Academic Support Services

Sandy Duffy, Director of Payroll/Benefits, Student Financial Services Office

Greg Eckman, Senior Financial Aid Officer, Student Financial Services Office

Valerie Edwards, Director, External Degree Program

Joseph Farara, Faculty Librarian

Barbara Flathers, Assistant to the Dean of Students

Alex Fusco, Assistant Athletic Trainer, SHAPE Center
Pamela Gelineau, Serials/Government Documents Specialist, Library
Alice Godin, Interlibrary Loan Supervisor, Library
Kimberly Goodell, Associate Director of Financial Aid
Tammy Goss, Assistant Registrar, Registrar's Office
Elga Gruner, Assistant Director of Admissions
Matthew Hall, Security Officer, Public Safety Office
Bethany Harrington, Admissions Specialist, Admissions
Elaine Harvey, Assistant Athletics Director for External & Internal Communications
Peter Haselbacher, Badger Bullet Driver
Cynthia Hennard, **Director**, Counseling Services
Jan Herder, Technical Director, Dibden Center for the Arts
Catherine Higley, Administrative Assistant, Graduate Office
Ellen Hill, Director of Experiential Learning
Jarrod Irwin, Master Maintenance Technician, Physical Plant
Jennifer Johnson, Staff Accountant, Student Financial Services Office
Edson Jones, Master Maintenance Tech. III, Physical Plant
Patrick Keith, Physician, Health Services
Lisa Kent, Access Services Librarian
Sara Kinerson, Director, Advising & Career Center
Keith Kirchner, Chemical Hygiene Officer
Eric Kirk, Marketing Design & Production Manager, Communications Office
Carrie Koniuto, Office Coordinator, Health Center
Lori Koshowski, Nurse Practitioner, Health Center
Linda Kramer, Public Services Librarian, Library
Cindy Kullmann, Administrative Assistant, Academic Support Services
Michael Laffin, Security Officer, Public Safety Office
Jeffrey Lamore, Mechanical Systems Technician II, Physical Plant
Martha Lance, Learning Resource Center Coordinator, Academic Support Services
Jessica Lane, Records Specialist III, Registrar's Office
Joan Langlois, Custodian II, Physical Plant
Nita Lanphear, Staff Assistant, Physical Plant
Kenneth Lanphear, Master Maintenance Technician, Physical Plant
Rosanne Lehouillier, Custodian II, Physical Plant
Elizabeth Lyon, Advising Programs Coordinator, Advising & Career Center
Joye Lyon, Assistant Director of Admissions, Admissions
Jeff Machia, Vehicle/Equipment Mechanic II, Physical Plant
Julie Machia, Custodian II, Physical Plant
Karen Madden, Director, Academic Support Services
Elaine Manning, Custodian II, Physical Plant
Brian Marcoux, Custodian II, Physical Plant
Martin McMahon, Mechanical Systems Technician II, Physical Plant
Ken Moore, Mechanical System Tech II, Physical Plant
Zachary Morse, Custodian II, Physical Plant
Patrick Moulton, Maintenance Tech III, Physical Plant
David E. Muir, Maintenance Supervisor, Physical Plant
Blagorodna Nedeljovic, College Counselor, Counseling Center
Emily Neilsen, Coordinator of First-Year Events
Julie Noyes, Admissions Counselor II
Sandra Noyes, Staff Assistant, Humanities and Writing/Literature Departments
Ron Osbourne, Manager, Bookstore
Rhonda Osgood, Staff Assistant, External Degree Program
Michael Palagonia, Director, Public Safety
Lauren Philie, Director of Development and Alumni Relations

Dennis Richards, Custodian III, Physical Plant
Patrick Rogers, Associate Director of Admissions
Deneen Russell, Accounts Receivable Supervisor, Student Financial Services Office
Vicky Sanborn, Staff Assistant, Behavioral Sciences and Education Departments
Joanne Shaw, Custodian II, Physical Plant
Richard Simmons, Learning Specialist, Academic Support Services
Earl Smith, Security Officer, Public Safety Office
Dorothy Spoerl, Asst. Chief Technology Officer, Information Technology Services
Dannielle Spring, Director of Conference & Events Services
Clyde Stats, Assistant Director and EDP Advisor, Academic Support Services
Jennifer Stefanski, Coordinator, First-Year Support
Toby Stewart, Controller, Student Financial Services Office
Krista Swahn, Director of Student Activities and Community Services
Jamey Ventura, Director of Athletics and Recreation
Thomas Verdell, Assistant Athletics Director and Head Men's Basketball Coach, SHAPE Center
Andrea Wadlington, Accounting Specialist III, Student Financial Services Office
Margaret Warden, Director of First-Year Experience
Beth Walsh, Coordinator of Career Services, Advising & Career Center
Melissa Weinstein, Web and Digital Communications Manager, Communications Office
Deborah Whitney, Custodial/Housekeeping Supervisor, Physical Plant
Brian Wilcox, College Counselor, Counseling Center
Krystal Woodward, Office Assistant, Athletics

Accreditation

Johnson State College is accredited by the New England Association of Schools and Colleges, Inc., through its Commission on Institutions of Higher Education and the Vermont State Department of Education.

Inquiries regarding the accreditation status by the New England Association should be directed to the administrative staff of the institution. Individuals may also contact:

Commission on Institutions of Higher Education
New England Association of Schools and Colleges
209 Burlington Road, Suite 201
Bedford, MA 01730-1433
(781) 271-0022
cihe@neasc.org

Accreditation

The Teacher Education Programs at JSC are accredited through the Vermont Standards Board for Profession Educators. The accreditation process assures that candidates who are recommended for licensure meet all state standards for the license and the endorsement. Vermont has established agreements to have educators' licenses recognized in over 40 other states, districts and territories through association with NASDTEC.

The Education Department offers courses with an EDU designator. See full Course Descriptions. The department also offers a Master of Arts program in education. For further information, see the Johnson State College graduate catalog.

Advancing through a Teacher Education Program at JSC

1. Advancement through a Teacher Education Program requires attending all five Teacher Education Workshops (EDU-TEW1, EDU-TEW2, EDU-TEW3, EDU-TEW4 and EDU-TEW5). These are one-time meetings held each semester in multiple sections; see the Course Sequence Plans in the *Teacher Education Program Handbook* for details. Each workshop provides guidance on completing the next set of requirements for the program. **Students who do not meet these benchmark requirements will not be permitted to proceed in the program.**
2. Students must earn a B- or better in all endorsement-specific courses. Students must have a 3.0 cumulative GPA, a 3.0 GPA in the major, and a passing score on the PRAXIS II examination before applying for the Teaching Internship (i.e., student teaching).
3. Students in all Teacher Education Programs complete numerous fieldwork assignments, which take place during typical public school hours (Monday-Friday, 7 a.m. to 3:30 p.m.). Students are expected to arrange their own transportation to fieldwork sites.
4. Students seeking endorsement for licensure from JSC must submit a complete **Level I Portfolio**, below ready for scoring, by the due date established within the Teacher Internship semester.

The Level I Portfolio

The Level I Portfolio is used to assess a candidate's readiness to apply for a Level I Professional Educator's License from the Vermont Agency of Education. A collection of specific assignments that demonstrate a candidate's knowledge, skill and disposition, it also documents the candidate's competence in meeting *Vermont's Five Standards for Professional Educators*, the *Knowledge & Performance Standards* for his/her endorsement area and the *Code of Professional Ethics for Vermont Educators*.

Portfolios must be constructed in accordance with the current guidelines established by the Vermont Standards Board for Professional Educators; refer to the JSC Portfolio Handbook for details. Portfolios that do not meet guidelines will not be accepted for review.

Portfolios must achieve passing scores from two reviewers: a faculty member and the JSC Board of Reviewers. *Note:* In some cases, reviewers may request revisions, giving the student an opportunity for a second review. Portfolios that do not pass after the second review will be marked "No Pass." While the review process typically takes a few weeks, it can last many months to a year if a portfolio requires revision. Students may be required to enroll in a credit-bearing tutorial session to complete or revise a portfolio.

Students may apply for a limited extension in submitting their portfolio due to unexpected circumstances, but *requests must be made during the Teaching Internship semester*. Portfolios submitted after the Teaching Internship semester or the extension due date, as well as portfolios that do not meet guidelines, will not be accepted for review. In such cases, the student will not receive a recommendation for licensure from JSC.

5. Students will participate in three interviews spread throughout the program: an entry interview, a midway interview and an exit Interview. These take place on the JSC campus and last about one hour each.
6. **In order to earn a recommendation for licensure from JSC, students must meet all applicable requirements for licensure in place at the time of the recommendation.** If the requirements for licensure established by the Vermont Standards Board for Professional Educators, the Vermont Agency of Education or the U.S. Department of Education change over the span of a student's enrollment, the student must consult with his or her Program Director to determine whether the changes apply and, if so, how best to meet the new requirements.

For additional details, refer to the *Teacher Education Program Handbook*.

Applying to a Teacher Education Program at JSC

1. In order to apply to a Teacher Education Program, students must have a minimum 3.0 cumulative GPA and a passing score on one of the following exams: Praxis Core tests, SAT, ACT or GRE.

2. Students should obtain a Teacher Education Program Handbook from the JSC Education Department and take EDU-TEW1 Teacher Education Workshop 1: Introduction to Teacher Education, to learn about the application process. They also should enroll in the beginning coursework for the program (EDU-2360 or EDU-2365) at this time.
3. Students should work with the Education Department Program Director (and their major advisor if pursuing Secondary or Unified Arts licensure endorsement) to construct a course sequence covering all requirements. Discuss course equivalents, substitutions or waivers with the Program Director.
4. Students transferring credits from other institutions (including other Vermont State Colleges) must schedule a transcript review with the Program Director to determine which courses satisfy which requirements, if any.

Preparation, Application & Advancement

Students wishing to prepare for an application to a Teacher Education Program should obtain a program handbook from the Education Department. A few of the preparation steps are listed below, others are detailed in the handbook.

1. Work with your major advisor and the Program Director for Secondary Education Programs in the Education Department to construct a **Course Sequence** covering all requirements. Discuss course equivalents, substitutions or waivers with the Program Director.
2. Students transferring credits from other institutions (including CCV and other VSC colleges) must meet with the Program Director for a **Transcript Review** to determine which courses satisfy which requirements, if any.
3. Students must apply to enter a Teacher Education Program: Acceptance into the College or declaring a major or beginning coursework in a program of student does not constitute entry into a Teacher Education Program. Enroll in the beginning coursework for the program (EDU-2360 or EDU-2365) and attend EDU-TEW1, Teacher Education Workshop 1, to learn about the Teacher Education Program application process.
4. Full acceptance into the ELED program includes satisfaction of the **Vermont Educator Testing Requirements**: Students must submit passing scores on the PRAXIS I examination, the SAT examination, the ACT examination, or the GRE examination. For complete information, see <http://education.vermont.gov/new/html/licensing/testing.html>.
5. Students in all Teacher Education programs complete numerous fieldwork assignments. Students are expected to provide time in their weekly schedule to accomplish fieldwork assignments during typical public school hours (M-F, 7 am to 3:30 pm) and to arrange their own transportation to fieldwork sites.
6. Advancement through a teacher education program requires attendance at five Teacher Education **Workshops** (EDU-TEW1 through EDU-TEW5). These are onetime meetings held each semester in multiple sections: See the Course Sequence Plans in the Teacher Education Handbook for details. Each workshop provides guidance for completing the next set of requirements for the program. Those who do not meet the benchmark requirements will not be permitted to proceed in the program.
7. Students must earn a B- or better in all endorsement-specific courses. Students must demonstrate a 3.0 cumulative **GPA**, a 3.0 GPA in the major, and pass the **PRAXIS II** examination before applying for the Teaching Internship (e.g. Student Teaching).
8. Students will participate in three interviews spread throughout the program: **Entry Interview, Midway Interview, Exit Interview**. Expect these to be one hour, on campus.
9. Earning a *Recommendation for Licensure* from JSC requires a student to meet all applicable requirements for licensure in place at the time of the recommendation. If the requirements for licensure established by the Vermont Standards Board for Professional Educators, the Vermont Department of Education or the U.S. Department of Education change over the span of a student's enrollment in a TE program, the student must consult with his/her TE Program Director to determine if the changes apply and, if so, how best to meet the new requirements.

Program Requirements

Working as a teacher in a public school in Vermont requires a Level I Educator's License with an endorsement in a specific discipline at a designated level. The license is issued by the Vermont Department of Education (VTDOE) to candidates who successfully complete a Teacher Education Program and are recommended by their institution. Students seeking to become a candidate for a Vermont Educator's License with an endorsement in one of the Secondary or Unified Arts Endorsements listed above must apply to the Education Department to enter that Teacher Education Program.

Students accepted into a Teacher Education Program complete three sets of academic requirements: (a) A major in the discipline of their endorsement, including all requirements for the bachelor's degree such as the general education and graduation requirements, with a cumulative 3.0 GPA or better and a 3.0 GPA in the major; (b) Specific content-specific endorsement courses; and, (c) A set of education courses. With careful planning, these requirements can be met for most programs within a typical 4-year plan of study. The education and the content-specific endorsement course requirements for secondary and unified arts endorsement areas are listed below. The requirements for the major are listed under the academic department for that major.

The Level I Licensure Portfolio

Students seeking a Recommendation for Licensure from JSC are required to submit a complete Level I Portfolio, ready for scoring, by the due date established within the Teacher Internship semester.

The portfolio is a collection of specific assignments that demonstrate a candidate's knowledge, skill and disposition. It documents the candidate's competence in meeting *Vermont's Five Standards for Professional Educators* and the *Knowledge & Performance Standards* for his/her endorsement area and the *Code of Professional Ethics for Vermont Educators*. The portfolio must be constructed in accordance with the current guidelines established by the Vermont Standards Board for Professional Educators. Students should read the JSC Portfolio Handbook for details and policies.

The portfolio is an assessment of a candidate's readiness to apply for the Level I License. Portfolios must achieve passing scores from two reviewers; one from a faculty member and one from the JSC Board of Reviewers. A student whose portfolio does not achieve two passing reviews will not earn a Recommendation for Licensure. In some cases, reviewers may request revision(s): Portfolios that do not pass after the second review will be marked as No Pass. While, typically, the review process requires a few weeks, students should expect the review process to last many months or a year if the portfolio requires revision. Students may be required to enroll in a credit-bearing tutorial session to complete or revise a portfolio.

Students may apply for a limited extension for submission of a portfolio due to unexpected circumstances. *Requests must be made during the Teaching Internship semester.* Portfolios submitted after the Teaching Internship semester or the extension due date, or submitted portfolios that do not meet guidelines, will not be accepted for review. In such cases, a student will not earn a Recommendation for Licensure from JSC.

Theoretical Framework & Learning Pursuits

Students in Education Department programs gain both an understanding of the discipline of education and a practical grasp of effective professional practice. These two realms provide a foundation for the development of content-specific professional knowledge, the use of action research to design pedagogical strategies, the use of critical theory to confidently serve as a progressive colleague and advocate, and the pursuit of continuous personal growth. Taken together, these four strands of learning and inquiry support the program theme, "Teach with Intention."

Students who successfully complete an Education Department program will:

- Use academic study to examine content area knowledge including established constructs, historical developments, common misconceptions, enduring questions and cross-disciplinary connections;

- Use action research to design and assess original, inclusive and engaging learning experiences that are meaningful and effective;
- Use critical analysis grounded in social, political, ethical and leadership perspectives to reframe educational endeavors toward more vibrant and just ends; and
- Use self-study grounded in an understanding of diverse world-views to rethink longstanding, conventional notions toward an open-minded, strength-based perspective.