Academic Minors

Farmingdale State College students are invited to enhance their studies with an "Academic Minor." A minor is a cluster of thematically related courses drawn from one or more departments. In addition to department based minors (e.g. computer programming & info systems), interdisciplinary minors are also available (e.g. legal studies).

Academic minors are approved by the College-Wide Curriculum Committee and the Provost. Students must make application for an academic minor through the department offering the minor in conjunction with the Office of Transfer Services. Specific course work must be determined in consultation with a faculty member in the department offering the minor. A statement of successful completion of the academic minor will appear on the student’s transcript at the time of graduation.

The following requirements must be satisfied for approval of the minor:

- A minor is considered to be an optional supplement to a student’s major program of study.
- Completion of a minor is not a graduation requirement and is subject to the availability of the courses selected. However, if the requirements for a minor are not completed prior to certification of graduation in the major, it will be assumed that the minor has been dropped. Consequently, the student will only be certified for graduation in their primary major.
- Only students in baccalaureate programs can apply for a minor.
- A minor should consist of 15 to 21 credits, with the exception of the Chemistry minor.
- At least 12 credits must be in courses at the 200 level or higher.
- At least 9 credits must be residency credits.
- Specific requirements for each minor are determined by the department granting the minor. Each minor and criteria are described in this catalog. Students must maintain a minimum cumulative GPA of at least 2.0 in their minor (some may be higher).
- Students are prohibited from declaring a minor in the same discipline as their major (e.g. one cannot combine an applied math minor with an applied math major). Academic minors may not apply to all curricula.
- Students are permitted to double-count minor courses with general education courses and with free electives. In the case of interdisciplinary minors, a student can double-count up to 6 credits of major coursework toward the minor.
- Students are only permitted to take more than one minor with appropriate written approval of their department chair or curriculum Dean.

Minors

- Anthropology — Sociology/Anthropology
- Applied Mathematics — Mathematics
- Art & Graphic Design — Visual Communication
- Aviation Administration — Aviation
- Aviation Flight — Aviation
- Biology — Biology
- Business Management — Business Management
- Chemistry — Chemistry
- Computer Programming and Information Systems — Computer Systems
- Economics — Economics
- English Literature — English/Humanities
- History — History & Politics
- Italian Studies — Modern Languages
- Latin American Studies — Modern Languages
- Legal Studies — Business Management
- Management Information Systems — Computer Systems
- Middle Eastern and Islamic Studies — History & Politics
- Organizational Leadership — Business Management
- Ornamental Horticulture — Urban Horticulture and Design
- Politics — History & Politics
- Sociology — Sociology/Anthropology
- Sport Management — Sport Management
- Web Development — Computer Systems
- Women, Gender, and Sexuality Studies — Sociology/Anthropology
Applied Mathematics ............................. Mathematics Department

Available to all baccalaureate majors except Applied Mathematics majors, this minor is intended for students who wish to strengthen their mathematical expertise and analytical skills in general, and to incorporate more mathematics courses into their study. To minor in Applied Mathematics students must complete three sequential semesters of calculus up to and including MTH 252 or MTH 253, plus one additional course for a minor as stated in the College Catalog, and complete at least 15 credits, which must include at least six of these 15 credits can be taken from mathematics courses required for the major. Some mathematics intensive curriculums, such as engineering, will require up to 26 credits of mathematics to achieve the mathematics minor. In this case the student may wish to consider the advantages of doing a major in another discipline.

Art & Graphic Design ........................................... Visual Communications Department

Available to all baccalaureate majors except Visual Communications Art & Graphic Design, the Art & Graphic Design minor allows for four diverse options to suit the artistic interests of the individual student. All students are required to complete courses in core art skills and an opportunity for further study in areas such as art history and related humanities, fine arts, graphic design, media arts, and photography.

Aviation Administration ............................. Aviation Administration

Available to all baccalaureate majors except Aviation Administration, this minor is intended for students who wish to pursue an aviation administration career in their academic background. The recommended list of courses provides a broad overview of the air transportation industry, its challenges and airway infrastructure and that of the Government oversight of this dynamic career field. This minor consists of 15 credits.

Aviation Flight ................................. Aviation Administration

Available to all baccalaureate majors except Aviation Administration, this minor is intended for students who wish to pursue an aviation flight career in their academic background. This minor consists of 15 credits, which include the credit for flight courses requiring payment of associated flight fees.

Biology ........................................... Biology Department

Available to all baccalaureate majors except Biology, this minor is intended for students who wish to incorporate a study of life science into their academic background. In addition to the fundamental Biological Principles sequence, the minor requires two additional courses of instruction for students to explore various specialties within the field of Biology. The Biology minor requires at least 20 credits of Biology including four 3-credit courses and additional credits at the 200-level or above with appropriate prerequisites satisfied.

Business Management ....................................... Business Management Department

Available to all baccalaureate majors except Business Management or Aviation Administration majors, the minor is intended for students who wish to develop a broad understanding of the foundation topics in this multifaceted field. The Business Management minor consists of 101 – Accounting I, BUS 109 – Management Theories and Practices, and BUS 131 – Marketing Principles. The required courses are offered at the 100 level or above and must be approved by a full-time member of the Department.

Chemistry ........................................... Chemistry Department

Available to all baccalaureate majors, this minor is intended for students who wish to incorporate a study of chemistry into their academic background. The chemistry minor consists of 22 hours of five chemistry courses (CHEM prefix). Chemistry minors must complete the Chemistry program with a grade of B or better in each course. There is also a required 3-credit course in a non-chemistry discipline to provide for the organic chemistry sequence and biochemistry.

Computer Programming and Information Systems ............................. Computer Science Department

Available to all baccalaureate majors except Computer Programming Information Systems, the requirements in this minor consist of 15-21 credits in BCIS. When it is determined that a potential student has already mastered the content of one of these courses, the student may be able to negotiate a deviation of the discretion of the department chair.

Economics ............................. Economics Department

Available to all baccalaureate majors except Business and Economics majors, the Economics minor equips students with the foundational skills for higher education in economics and the social sciences, business, and law. Students choosing to minor in Economics will take a total of 18 credits which include four core courses. Students exposed to these economics courses will have skills and ability to cope or increase employability that is desired by employers in a wide variety of demand.

English Literature ........................................... English Language and Literature

Available to all baccalaureate majors, this minor consists of 18 credits of composed of six-three credit courses. Core courses include ENGL 101 and ENGL 102 before they are eligible to declare this minor. Specific course work must be determined in consultation with a full-time member of the Department.

History ........................................... History and Political Science Department

The history minor is designed for students who are interested in deepening their knowledge of American, Western, and World History in order to support their long- term career goals. Selection of courses will depend on the interest of the student. Students seeking to gain an M.A. in Education will be particularly well-served by this minor program, as will students interested in pursuing post- baccalaureate degrees in law, History, or Government/ International Relations. The history minor consists of 18 hours of upper division (HWS prefix) courses with no more than two courses at the 100 level, and at least 2 courses must be 300 level or above.

Italian Studies ............................. Modern Languages Department

Available to all baccalaureate majors, the Italian Studies minor consists of 18 credits (six 3-credit courses). Students will be required to take MLG 306 and Italian 102, Core courses in the program along with three additional courses chosen from the Italian, Art History, Film & Cinema, and Language and Literature. Students who are fluent in Spanish may take additional courses in the program's coordinator. Students are encouraged to study abroad in Italy. Courses taken in Italy will be reviewed by the coordinator and considered toward the minor requirements.

Latin American Studies ................................... Modern Languages Department

Available to all baccalaureate majors, the Latin American Studies minor consists of 18 credits (six 3-credit courses). Students will be required to take MLG 306 and SPA 243 and additional courses chosen from the various areas of study, History, Literature, and Cinema. Students who are fluent in Spanish may take additional courses in the program's coordinator. Students are encouraged to study abroad in Mexico and/or Spain. Courses taken abroad will be reviewed and considered toward the minor requirements.

Legal Studies ............................. Business Management Department

Available to all baccalaureate majors, the Legal Studies minor consists of 18 credits (six 3-credit courses). Students will be required to take MLG 101, Introduction to Legal Studies, a required course with the approval of the program's coordinator. This minor is intended for students who are interested in the study of law, their undergraduate education and may serve as an introduction for students who are interested in pursuing a legal career.

Management Information Systems ........................................... Computer Systems Department

Available to all baccalaureate majors except Computer Programming Information Systems, the Management Information Systems minor consists of 18 credits from a list of required Business Computer Systems (BCIS) courses.

Middle Eastern and Islamic Studies ....................... History and Political Science Department

Available to all baccalaureate majors, the minor in Middle Eastern and Islamic Studies is designed for students interested in understanding the knowledge, cultures, languages, geography, religions, cultures, history, and current issues of the Middle East and the Islamic world. Students seeking employment in government or non-governmental organizations which operate in the Middle East will be particularly well-served by this minor program. Students interested in managed careers in this field are encouraged to study abroad in Mexico and/or Spain. The minor consists of 15 credits (six 3-credit courses) approved by the Department.

Organizational Leadership .................................. Business Management Department

The organizational leadership minor is open to all baccalaureate majors except Business Management majors. The minor consists of 18 credits of which are required, for a total of 18 credits. To complete the major requirements students will take three additional specified elective courses that are offered within and outside the Business Management Department.

Ornamental Horticulture ....................................... Urban Horticulture Department

Available to all baccalaureate majors except Horticultural Technology, the minor in Ornamental Horticulture is designed to give the student a basic core of horticultural skills that can be amplified through a series of electives to satisfy his or her individual interests. Students are encouraged to study abroad in Mexico and/or Spain. The selection of electives must be done in consultation with a full-time member of the Department.

Politics ........................................... History and Political Science Department

Available to all baccalaureate majors, students interested in deepening their knowledge of international affairs, government, policy-making, and the political processes of both foreign and domestic political bodies. Students seeking employment in local, state, national government or non-governmental organizations which interact with government agencies will be particularly well- served by this minor program. The politics minor consists of 15 hours of politics courses (POL prefix) with no more than 1 course at the 100 level, and at least 2 courses must be 300 level or above. Selection of courses will depend on the interests of the student.

Sociology ........................................... Sociology and Anthropology Department

Available to all baccalaureate majors in Sociology in Sociology, the minor in Sociology is open to all baccalaureate majors except Computer Programming Information Systems, this minor is intended for students who wish to explore various specialties within the field of Sociology. The Sociology minor consists of 18 credits (six 3-credit courses). Students interested in doing a dual major, the Sociology minor must also have a cumulative GPA of 2.5 in their qualified sociology courses.

Sports ........................................... Sport Management Department

Available to all baccalaureate majors except Sport Management, the Sport Management minor is an undergraduate minor which consists of 18 credits – three 3-credit courses, all to be approved by the Department. Students who are fluent in Spanish may take additional courses in the program's coordinator. Students interested in learning to speak Spanish or learning about Spanish cultures should consult with the program's coordinator. Students are encouraged to study abroad in Mexico and/or Spain. Courses taken abroad will be reviewed and considered toward the minor requirements.

Spanish ........................................... Modern Languages Department

Available to all baccalaureate majors except Sport Management, the minor in Spanish is intended for students interested in the opportunity to study the language, literature, and cultures of millions of Spanish-speaking people. Students are encouraged to study abroad in Spain. Students seeking employment in government or non-governmental organizations which interact with government agencies will be particularly well- served by this minor program. The Spanish minor consists of 18 credits (six 3-credit courses) approved by the Department.

Sustainable Energy and Environment ............................. Electrical Engineering Department

Available to all baccalaureate majors except Computer Engineering, this minor is intended for students who have an interest in expanding their knowledge in green technologies. Students will complete 15 credits of coursework, with a minimum of 9 credits from Sustainable Energy and Environment (ENV) courses.

Web Development ..................................... Computer Systems Department

Available to all baccalaureate majors, the Sustainable Energy and Environment minor is to focus the attention of students on current Sustainability, Energy and Environment concerns. Students interested in the minor must interact with government agencies will be particularly well- served by this minor program. The minor consists of 21 credits of coursework, with a minimum of 9 credits from Sustainable Energy and Environment (ENV) courses.

Women, Gender and Sexuality Studies ........................................... Sociology and Anthropology Department

Available to all baccalaureate majors, Women, Gender, and Sexuality Studies is an interdisciplinary program of study that examines the intricate ways in which gender factors influence people, places, and things. This program analyzes how categories such as race, ethnicity, gender, and sexuality shape our identities and our social experiences. This program places emphasis on feminist perspectives for achieving social justice and equal rights for all. Students interested in the Women, Gender, and Sexuality Studies minor program must maintain a cumulative GPA of 2.5 in their