

General Education and Degree Programs

Since its founding in 1876, Grove City College, committed to Christian principles, has sought to provide liberal and professional education of the highest caliber. Long recognized for its academic quality, Grove City College insists that all its graduates possess, in addition to specialized knowledge in major or professional fields, a high level of cultural literacy and communication skills. Students are required to complete forty-six (46) credit hours of general education courses with emphasis in the humanities; science, faith and technology; social sciences; quantitative and logical reasoning; laboratory sciences; and foreign language. This program of studies in a broad range of liberal arts and sciences, consistent with many national recommendations for excellence, helps to insure that Grove City College graduates have the marks of educated persons, whatever their profession.

GENERAL EDUCATION REQUIREMENTS

| | BA and BS (non-science) | BSEE, BSME, BM, and BS (science) |
|---------------------------------------|----------------------------|-------------------------------------|
| Humanities Core (Civilization Series) | 18 hours | 18 hours |
| Science, Faith and Technology | 3 hours | 3 hours |
| Foundations of the Social Sciences | 3 hours | 3 hours |
| Quantitative/Logical Reasoning | 6 hours | 6 hours |
| Natural Sciences (with laboratories) | 8 hours | 8 hours |
| Physical Education | 2 hours | 2 hours |
| Foreign Language | <u>6 hours</u> | <u>0 hours</u> |
| | 46 hours | 40 hours |

NOTE: In many cases, courses that students take to satisfy the requirements for a major will also satisfy general education requirements. For example, engineering students are already required to take more than the minimum natural science courses, and business students already take some math and statistics courses.

Each student is required to fulfill the general education and major specific requirements listed in the Grove City College *Bulletin* (the Catalog) for the year in which he/she matriculates to the College as a full-time freshman student, or in the case of a transfer student, the year he/she initially transfers to the College. If a student withdraws from the College and returns within one year, he/she may continue to follow his/her original Catalog requirements. However, if a student is away from the College for over one year, he/she must then follow the requirements listed in the Catalog year of the year of his/her return to the College. A student may choose to follow the requirements of a later Catalog, but he/she must then fulfill both the major and general education requirements outlined and required in that Catalog edition.

WRITING INTENSIVE (WI) / SPEAKING INTENSIVE (SI) / INFORMATION LITERACY (IL) STUDIES

Recognizing that an essential component of academic preparation and lifelong learning consists of the ability to locate, evaluate, and present information, the College requires all students to complete a sequence of courses that provide instruction in information literacy, writing, and speaking.

The Writing Intensive/Information Literacy (WI/IL) expectations are met through two curriculum tracks which are designed to provide a general across-the-curriculum introduction plus additional major-specific instruction. First, a foundation is laid for all students through our general education curriculum. There, the initial three courses of the Civilization Series build students' generalized knowledge of resources and culminate with a full research paper. Humanities 101 "Civilization" initiates students into Information Literacy through general library, database, and internet use. Humanities 102 "Civilization and Biblical Revelation" builds upon those resources and focuses on bibliographic instruction. Lastly, Humanities 201 "Civilization and the Speculative Mind" ties together the lessons of the previous two courses by providing Writing Intensive instruction through a research paper, including a draft and final version.

Building upon the general instruction received through the Civilization Series, each department provides discipline-specific instruction to its majors either within a single course or across several courses, concluding in a research paper and frequently an oral presentation. Students receive exposure to major databases, library resources, internet resources, and scholarly research techniques employed by professionals.

The Speaking Intensive (SI) component of our General Education curriculum is fulfilled through major related courses where students learn both basic and advanced public speaking skills.

CIVILIZATION SERIES

The Civilization Series, also called the "Humanities Core" (HUMA), discusses the origins, merit, and influence of history's most decisive ideas, literary works, and artistic products in six three-credit hour courses. Students study the leading thinkers, books, and ideas in religion, philosophy, history, political science, economics, literature, art, and music. Reflecting the vision of the founders of Grove City College, these six courses encourage intellectual, moral, spiritual, and social development grounded in Christian ideas of truth, morality and freedom. Although these 18 hours in the humanities examine many different points of view and consider other nations and cultures, they emphasize America's religious, political, and economic heritage of individual freedom and responsibility and their part in the development of Western civilization.

HUMA 101, 102, and 201 must be taken in sequence and should be completed by the end of the sophomore year.

HUMA 101. CIVILIZATION. An examination of foundational questions, worldviews, major movements, and decisive developments in the history of civilization. It emphasizes the formation and spread of the principles and institutions of freedom and provides an interpretive framework for the Civilization series, and must be taken during the first semester of attendance at Grove City College. This course includes the first component of the across-the-curriculum Information Literacy (IL) requirement for graduation. Similar courses taken at other institutions will transfer as elective credit and may not be used to fulfill this requirement. *Semester course, three hours.*

HUMA 102. CIVILIZATION AND THE BIBLICAL REVELATION. A study of Christian revelation and how it influenced the course of Western civilization. It focuses on key texts that are foundational for theology, cosmology, epistemology, human nature, society, and ethics. This course contains the second component of the across-the-curriculum Information Literacy (IL) requirement. The year-long course sequence of Religion 211 and 212 may substitute for this course. Similar courses taken at other institutions will transfer as elective credit and may not be used to fulfill this requirement. Prerequisite: Humanities 101 or concurrent with Humanities 101. *Semester course, three hours.*

HUMA 201. CIVILIZATION AND THE SPECULATIVE MIND. An analysis and defense of the Christian worldview. Other major contemporary worldviews such as naturalism, existentialism, pragmatism, postmodernism, and humanism are also examined. In addition, the course focuses on historical and contemporary views of society and ethical issues and problems. This course completes the across-the-curriculum Writing Intensive (WI) / Information Literacy (IL) requirement. Prerequisites: Humanities 101 and 102. Students substituting Religion 211 and 212 for Humanities 102 must take Humanities 101 and either Religion 211 or 212 as prerequisites for this course. Similar courses taken at other institutions will transfer as elective credit and may not be used to fulfill this requirement. *Semester course, three hours.*

HUMA 202. CIVILIZATION AND LITERATURE. A study of great works of literature that represent the major periods in the history of Western civilization. The course explores the nature of God and humanity, the nature of good and evil, the meaning of moral choice, the purpose of life, and the meaning of salvation. *Semester course, three hours.*

HUMA 301. CIVILIZATION AND THE ARTS. An examination of outstanding works of visual art and music that represent the major periods in the history of Western civilization. The course examines the nature of God, the ways people have expressed their understanding of God's nature in the arts, the ways people have seen themselves throughout Western history, and the purpose of life. *Semester course, three hours.*

HUMA 302. MODERN CIVILIZATION IN INTERNATIONAL PERSPECTIVE. An exploration of the seminal ideas, major movements, decisive events, and key individuals in world civilization since the American and French revolutions. Especially emphasized are the emergence and operation of, and the challenges to, free institutions and the issues of constitutional government, reform, prosperity, equality, and social mobility. *Semester course, three hours.*

STUDIES IN SCIENCE FAITH AND TECHNOLOGY (SSFT)

Among other things, courses in this category explore the relationship between science and religion, technology and faith, technology and ethics, the guidance which ethical analysis brings to scientific and technological endeavors, and the basic presuppositions and underpinnings of science and Christian faith. All students must take one course from the following three choices:

SSFT 208—Science, Technology, and Society

SSFT 210—Science and Religion

SSFT 212—Science, Faith, and Technology

Most Arts and Letters majors, as well as math, computer information system and computer science majors should complete the SSFT requirement by the end of the sophomore year. Biology, chemistry, physics, engineering and entrepreneurship majors should complete the SSFT requirement by the end of the junior year.

SSFT 208. SCIENCE, TECHNOLOGY, AND SOCIETY. This course is designed to explore the intersections between Christian faith, society, and technology, broadly defined. We live in a technological age. More than the mere application of new inventions and material goods, technology has cultural/social, organizational, and material aspects to it. This course will explore the social impetus for technological innovation, the history of technology with an emphasis on technology and 20th century American life, several arenas of social life that are impacted by technology, and finally the relationship between Christian faith and technological progress. This final theme will be woven into all the others, though we will take time at the end of the class to think more explicitly about how Christians might approach technology.

Offered periodically, three hours.

SSFT 210. SCIENCE AND RELIGION. A study of fundamental themes in science and religion and important issues that emerge from the science and religion interface (e.g., issues from cosmology, Darwinism and evolutionary theory, and the neurosciences). The course will provide an opportunity to study the two perspectives of science and religion and investigate ways in which these apparently separate approaches might be connected. Prerequisites: Humanities 101; 102 (or Religion 211 and 212); and a lab science. The lab science may be taken concurrently with this course.

Semester course, three hours.

SSFT 212. SCIENCE, FAITH, AND TECHNOLOGY. This course is designed to give a theological, philosophical, and historical rationale for why Christians do science. What science is, how and why it developed in the context of Western Christianity, and how Christians are to respond to scientific information and theory will be considered. Particular emphasis will be given to Biblical and scientific perspectives on the origin of the universe, the origin of organic life, and human origins. Selected topics in modern science and technology, such as cloning, stem cell research, chimeras, cosmology, quantum physics, and artificial intelligence, will also be addressed. Prerequisites: Humanities 101; 102 (or Religion 211 and 212); and a lab science. The lab science may be taken concurrently with this course.

Semester course, three hours.

FOUNDATIONS OF THE SOCIAL SCIENCES

All students are required to choose one social science course from the following choices:

- Economics 120—Foundations of Economics
- Education 201—Foundations of Education I
- History 120—Foundations of History
- Political Science 101—Foundations of Political Science
- Psychology 101—Foundations of Psychological Science
- Sociology 101—Foundations of Sociology

All five of the above foundations courses, in addition to providing overviews of their respective fields, are fashioned to give each Grove City College graduate a distinctive stamp, for they embrace a strong Christian worldview and provide a grounding in critical analysis of the questions and issues that have animated Western thought as applied to each specific field of study. Similar courses taken at other institutions will transfer as elective credit and may not be used to fulfill this requirement.

QUANTITATIVE/LOGICAL REASONING

All students are required to take a total of six hours of mathematics courses from the clusters listed below. All six hours may be taken from the Math Cluster, or students may take one course from each of the clusters.

Math Cluster—choose at least three hours from these choices:

- Any Mathematics course (MATH)
- One course from:
 - Business 201—Business Statistics
 - Mathematics 231—Statistical Methods
 - Psychology 203—Statistical Methods

Logic/Programming Cluster—only one course from this group may count as meeting this requirement:

- Music 103—Basic Music
- Philosophy 201—Symbolic Logic

Philosophy 211—General Logic

Computer 141—Computer Programming I

NATURAL SCIENCES (with laboratories) (SCIC)

The Natural Science requirement, which must be completed by the end of the junior year, must be fulfilled by taking eight hours of lab science courses by any one of the following methods:

- Two four-credit lab science courses offered by the Department of Biology, Chemistry or Physics, i.e. BIOL 101 and BIOL 102 or BIOL 101 and CHEM 101.
- Science 201 and 202, 203, or 204
- Science 202 and 201 or 203
- Science 203 and 201, 202, or 204
- Science 204 and 201 or 203
- Science 201 and a four-credit Biology or Chemistry lab course
- Science 202 and a four-credit Chemistry or Physics lab course
- Science 203 and a four-credit Biology or Physics lab course
- Science 204 and a four-credit Chemistry or Physics lab course

Note: *A student may not fulfill this requirement by taking SCIC 202 and 204.*

SCIC 201. FUNDAMENTALS OF THE UNIVERSE. This course covers major ideas concerning the physical universe, including applications of those ideas, past and present. Topics include philosophy of science, motion, cosmology, light, gravity, energy, and quantum physics. No credit will be given to students who have already received credit for Physics 101 or 121. This course is designed to meet general education science requirements for liberal arts students. Three lectures and one lab per week. *Semester course, four hours.*

SCIC 202. LIFE SCIENCE. This course discusses the contribution of a scientific approach to our understanding of life, with a focus on fundamental ideas and their historical development and impact on society. Topics include aspects of molecular, genetic, cellular, organismal, and population biology. No credit will be given to students who have already received credit for Biology 101. This course is designed to meet general education science requirements for liberal arts students. Three lectures and one lab per week. *Semester course, four hours.*

SCIC 203. ATOMS, MOLECULES AND THE MATERIAL WORLD. This course is designed to make chemistry accessible to anyone with the desire to understand the chemical world in which we live. A strong emphasis on chemical reactions as well as on the basic theoretical principles that underlie chemistry are presented. An integral part of this course is the development of problem solving skills. No credit will be given to students who have already received credit for Chemistry 101. This course is designed to meet general education science requirements for liberal arts students. Three lectures and one lab per week. *Semester course, four hours.*

SCIC 204. ENVIRONMENTAL SCIENCE. This course gives emphasis to a scientific approach to environmental awareness including contributions from ecology, biology, geology and chemistry. Historical worldviews that impact attitudes, ethics, and policies toward the environment will be discussed. The consequences of environmental pollution and strategies for resource management will be explored with particular attention to policies that impact future sustainability of our planet. The laboratory will include both field and lab hands-on experiences. This course is designed to meet general-education science requirements for liberal arts majors. Three lectures and one lab per week. *Semester course, four hours.*

PHYSICAL EDUCATION

Each new and transfer student is required to begin the College's Fitness and Wellness physical education course sequence during the first fall semester attended (Physical Education 101 for men or Physical Education 111 for women) and continue with the second course during the following spring semester (Physical Education 102 for men or Physical Education 112 for women). Each class meets twice per week for one credit hour per semester.

FOREIGN LANGUAGE

Grove City College believes that the foreign language requirement helps promote a high level of cultural literacy and communication skills that are necessary in order for students to be competitive in our emerging global economy.

All B.A. graduates and non-science B.S. graduates are required to complete at least the 201-202 course sequence in a **modern, widely-spoken foreign language**, such as Chinese, French, German, Japanese, or Spanish. Classical written languages such as Latin, New Testament Greek, and Biblical Hebrew do not fulfill this requirement. Language study is progressive and sequential. If a student needs to start with the elementary 101 level, it must be followed by 102, 102 by 201, and 201 by 202. Foreign languages offered at the College include Chinese, French, German, Japanese, and Spanish.

A student who is required to complete a foreign language should plan to begin his/her studies by the fall of the freshman year.

The standard for determining the language course needs for each student is based on the following:

1. Students who have studied three years of the same modern, widely-spoken foreign language in high school with a "B" average or better will be exempt from further language study. Students who have studied two years of the same modern, widely-spoken foreign language in high school with a "B" average or better will normally begin college language study with the 201 Intermediate language course. Upon completion of the 201 course and the subsequent 202 Intermediate course, the student will have met the language requirement.
2. Students who score an acceptable level on one of the Advanced Placement foreign language exams will receive college credit for the 201 level and possibly for the 202 level, in that same language, depending on the score received. If the student receives foreign language credit for both 201 and 202, he/she will have met the foreign language requirement. If the student receives credit for 201 only, he/she will need to take the 202 level in that same language to meet the foreign language requirement.

When a student changes from a major that does not require a foreign language to one which does require it, the student will have to complete the requirement according to the above guidelines. The following majors require the completion of a 201-202 foreign language course sequence: Accounting, Business Economics, Business Management, Christian Thought, Communication, Computer Information Systems, Early Childhood Education, Economics, Elementary Education, English, Entrepreneurship, Finance, French, History, International Business, Marketing Management, Mathematics, Philosophy, Political Science, Psychology, Sociology, and Spanish.

Refer to the "Modern Languages" section for more information regarding placement.

CHAPEL ATTENDANCE REQUIREMENT

Grove City College provides a chapel/convocation program to promote each student's spiritual and moral development during the student's College educational experience. This program is comprised of diverse services and activities, and while it is designed to encourage spiritual growth, the College understands that ultimately Christian maturity is the responsibility of the individual student and not the consequence of a requirement. Chapel services are the common expression of our Christian faith as members of the campus community. Thus, chapel/convocation attendance is a core component of the student's experience at Grove City College. Objectives of individual chapel events include the following:

- To provide occasions where all members of the academic community can express a common faith in Jesus Christ.
- To allow members of the campus community to utilize their talents and gifts in ministry to other members of the community.
- To challenge students theologically and spiritually from an Evangelical biblical perspective.
- To affirm students in their particular Christian tradition and experience spiritual maturity in their individual faith expression.
- To promote student appreciation and respect for other Christian traditions and expressions different from their own.
- To provide a context in which prayer can be offered on behalf of those in the campus community who are experiencing tragedy or special need.
- To develop student sensitivity and responsiveness to the needs of others in the world.

There are many chapel options available to students, and each student is free to select from these options according to his/her own interests as long as the student meets the following **per semester attendance requirements (fall/spring terms only)**:

1. Full-time students (12 or more credits) must attend sixteen (16) chapels.
2. Students enrolled at least half-time but less than full-time (6 to 11 credits) must attend eight (8) chapels.
3. Students enrolled less than half-time (5 or fewer credits) are not required to attend chapel.

Enrollment status will be determined for each student at the conclusion of the College's course drop/add week. Withdrawing from courses after that date will not affect the number of chapels owed during a semester.

A student studying abroad through an external program; enrolled in the Washington, DC, Internship Program; attending as a non-degree, post-baccalaureate or second degree student; or full-time student teaching will not be required to attend chapel during the semester of that experience. A student enrolled as an undergraduate beyond the typical four-year degree period will be required to attend chapel within the requirements listed above. There is no additional chapel requirement for a student who graduates early.

Chapel requirements not fulfilled in a semester must be made up (this includes any unfulfilled chapel requirements from previous semesters). A student who owes ten (10) or more chapel requirements will not be permitted to register for the next semester until such time the requirement is met. All grades and transcripts will be held for students who withdraw from the College who have ten (10) or more unfulfilled chapel requirements. Any student who has not fulfilled the chapel attendance requirement by his/her graduation date will not be certified as a graduate of Grove City College until the requirement has been satisfied. Furthermore, students owing more than six (6) chapel requirements on Study Day of the

semester they are to graduate will not be permitted to participate in the College's commencement ceremony.

WRITING COMPETENCY

Scoring a 500 or above on the Verbal/Critical Reading or Writing sections of the SAT or a 20 or above on the ACTE meets Grove City College's suggested level of writing competency. Students whose scores fall below these values are strongly encouraged to enroll in English 102 "Effective Writing" at Grove City College and achieve a grade of "C" or above. Students may instead elect to enroll in a composition course during the summer at an approved college or university and earn a grade of "C" or better.

However, students deemed by instructors to have unacceptable writing skills may be required to enroll in a basic writing class.

DEGREE PROGRAMS

BACHELOR OF ARTS (B.A.)

The courses leading to the Bachelor of Arts degree offer the student an opportunity to specialize in the field of his/her particular interest and to obtain enriching contacts with other fields of liberal culture. The majors provide preparation for graduate work, teaching, business, law, ministry, and other professions.

MAJORS AVAILABLE IN THE B.A. PROGRAM

Majors offered in the general liberal arts are Christian Thought, Communication, Economics, English, French, History, Philosophy, Political Science, Psychology, Sociology, and Spanish.

Certification for grades K-12 is available in French and Spanish and for grades 7-12 in the following areas: English, English/Communication, and History (Social Studies).

Students may undertake to fulfill the requirements of a second major (not a second degree) subject to availability of space in the classes. The College cannot, however, assure students that they can in all instances complete a second major. Students earning two majors in different degrees may select which baccalaureate degree they wish to be awarded.

REQUIREMENTS FOR THE B.A. DEGREE

- 1. The General Education requirements.**
- 2. Major requirements.** Listed under the department in the Courses of Instruction section. A status sheet for every major will be provided listing specific course and hour requirements and should be maintained by the student; however, the Bulletin is the authoritative document regarding requirements. At least one-half of all hours required for the major must be earned at Grove City College. The major requirements determine the Major Quality Point Average (MQPA) calculation.
- 3. Major-related requirements.** These courses, though required for the major, do not count toward the major QPA.
- 4. Physical education.** Two semester hours required of each student. Not more than eight hours may be counted toward the degree.

5. **Electives.** Sufficient elective hours to complete the total of 128 hours required for the degree. To take advantage of the benefits of a liberal education and avoid overly narrow specialization, a significant portion of these electives should be chosen from fields not directly related to the student's field of concentration.
6. **Chapel.** Chapel attendance is a requirement for graduation from Grove City College. Students are required to attend chapel sixteen times each semester.

PRE-LAW CONCENTRATION

Students interested in the legal profession should plan, with the help of their advisors, a broad program for their professional training.

PRE-THEOLOGICAL AND CHRISTIAN EDUCATION CONCENTRATION

Pre-theological students and students interested in the field of Christian Education and/or Church Music should plan their program with the help of the chairman of the Department of Religion and/or with the help of the chairman of the Department of Music and Fine Arts.

BACHELOR OF SCIENCE (B.S.)

The courses leading to the Bachelor of Science degree offer the student an opportunity to specialize in the fields of science and enriching contacts with other fields of liberal culture. The majors provide preparation for graduate work, teaching, business, industry and the various health-related professions.

MAJORS AVAILABLE IN THE B.S. PROGRAM

The majors include Accounting, Biochemistry, Biology, Business Management, Chemistry, Computer Science, Early Childhood Education, Elementary Education, Entrepreneurship, Finance, Marketing Management, Mathematics, Molecular Biology, Psychology, and Applied Physics. Interdepartmental majors are also available in Applied Physics/Computer, Business Economics, Computer Information Systems, Industrial Management, and International Business.

Teacher certification in grades PreK-3 is available through the Early Childhood Education major and grades K-6 through the Elementary Education major. Certification for grades 7-12 is available in the following areas: Biology/General Science, Chemistry, Chemistry/General Science, Mathematics, Applied Physics, and Physics/General Science. Certification in grades K-12 is available in Biology/General Science/Environmental Education.

Students may undertake to fulfill the requirements of a second major (not a second degree) subject to the availability of space in the field. The College cannot, however, assure students that they can in all instances complete a second major. Students earning two majors in different degrees may select which baccalaureate degree they wish to be awarded.

REQUIREMENTS FOR THE B.S. DEGREE

1. **The General Education requirements.**
2. **Major requirements.** Listed under the department in the Courses of Instruction section. A status sheet for every major will be provided listing specific course and

hour requirements and should be maintained by the student; however, the Bulletin is the authoritative document regarding requirements. At least one-half of all hours required for the major must be earned at Grove City College. The major requirements determine the Major Quality Point Average (MQPA) calculation.

3. **Major-related requirements.** These courses, though required for the major, do not count toward the major QPA.
4. **Physical education.** Two semester hours required of each student. Not more than eight hours may be counted toward the degree.
5. **Electives.** Sufficient elective hours to complete the total of 128 hours required for the degree. To take advantage of the benefits of a liberal education and avoid overly narrow specialization, a significant portion of these electives should be chosen from fields not directly related to the student's field of concentration.
6. **Chapel.** Chapel attendance is a requirement for graduation from Grove City College. Students are required to attend chapel sixteen times each semester.

PRE-HEALTH CONCENTRATIONS

Pre-Dental, Pre-Medical or Pre-Veterinary courses of study to meet the requirements for admission to medical college or other health-related colleges are met normally by following the concentrations offered by either the biology or chemistry departments. Other departmental majors are possible, but select science courses in general chemistry, organic chemistry, general physics, general biology, cellular/molecular biology, human anatomy/physiology, and biochemistry are important for entrance and foundational for later success.

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING (B.S.E.E.)

The Department of Electrical Engineering offers an undergraduate program leading to the degree Bachelor of Science in Electrical Engineering. The electrical engineering program is accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET). The field of concentration provides preparation for graduate work and employment in industry.

CONCENTRATIONS FOR THE B.S.E.E. DEGREE

The Electrical Engineering Program provides selective options during the senior year in **Electrical Engineering Concentration or Computer Engineering Concentration**. Reflecting the fundamental objectives of a liberal education, the program requires, in addition to mathematics, a number of hours in the liberal arts as well as the General Education requirements. The use of computers is an integral part of the Electrical Engineering concentration. Students are well prepared to enter the engineering field, as well as the civic and cultural activities where they live and work.

REQUIREMENTS FOR THE B.S.E.E. DEGREE

1. **The General Education requirements.**
2. **Major requirements.** Listed under the Department of Electrical Engineering in the Courses of Instruction section. A status sheet for this major will be provided listing

specific course and hour requirements and should be maintained by the student; however, the Bulletin is the authoritative document regarding requirements. At least one-half of all hours required for the major must be earned at Grove City College. The major requirements determine the Major Quality Point Average (MQPA) calculation.

3. **Major-related requirements.** These courses, though required for the major, do not count toward the major QPA.
4. **Physical Education.** Two semester hours required of each student. Not more than eight hours may be counted toward the degree.
5. **Electives.** Sufficient elective hours to complete the total of 132 hours required for the degree.
6. **Chapel.** Chapel attendance is a requirement for graduation from Grove City College. Students are required to attend chapel sixteen times each semester.

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING (B.S.M.E.)

The Department of Mechanical Engineering offers an undergraduate program leading to the degree Bachelor of Science in Mechanical Engineering. The mechanical engineering program is accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET). The field of concentration provides preparation for graduate work and employment in industry.

CONCENTRATIONS FOR THE B.S.M.E. DEGREE

The Mechanical Engineering Program provides selective options in **Mechanical Systems and/or Thermal Systems**. Reflecting the fundamental objectives of a liberal education, the program requires, in addition to mathematics, a number of hours in the liberal arts as well as the General Education requirements. The use of computers is an integral part of the Mechanical Engineering concentration. Students are well prepared to enter the engineering field, as well as the civic and cultural activities where they live and work.

REQUIREMENTS FOR THE B.S.M.E. DEGREE

1. **The General Education requirements.**
2. **Major requirements.** Listed under the Department of Mechanical Engineering in the Courses of Instruction section. A status sheet for this major will be provided listing specific course and hour requirements and should be maintained by the student; however, the Bulletin is the authoritative document regarding requirements. At least one-half of all hours required for the major must be earned at Grove City College. The major requirements determine the Major Quality Point Average (MQPA) calculation.
3. **Major-related requirements.** These courses, though required for the major, do not count toward the major QPA.
4. **Physical Education.** Two semester hours required of each student. Not more than eight hours may be counted toward the degree.
5. **Electives.** Sufficient elective hours to complete the total of 130 hours required for the degree.
6. **Chapel.** Chapel attendance is a requirement for graduation from Grove City College. Students are required to attend chapel sixteen times each semester.

BACHELOR OF MUSIC (B.M.)

The College offers a Music Education major that leads to the Bachelor of Music degree. Definite music development and completion of all requirements are necessary for graduation. The course is approved by the Pennsylvania Department of Education for the preparation of music teachers.

The Department of Music also offers other majors, which include Music, Music and Business, Music and Performing Arts, and Music and Religion.

Candidates for the B.A. or the B.S. degree may present a maximum of eighteen semester hours in the field of music as electives in their courses. If applied music is taken, a maximum of eight hours will be accepted with the remaining ten hours to be elected from the music curriculum and ensemble.

The Department of Music and Fine Arts offers opportunities to all students of the College to participate in music ensemble activities, which are directed by members of the music staff. These activities include the College Choirs, the Orchestras, the Bands, and the Jazz Bands.

Students will be granted one credit hour per semester for membership in the band, orchestra or choir. Credit may be received for membership in two of these organizations per semester for non-music majors. Three rehearsal hours are held each week. More than three absences from rehearsals, performances or public appearances during a semester will cancel the credit.

REQUIREMENTS FOR THE B.M. DEGREE

1. **The General Education requirements.**
2. **Major requirements.** Listed under the Department of Music in the Courses of Instruction section. A status sheet for every major will be provided listing specific course and hour requirements and should be maintained by the student; however, the Bulletin is the authoritative document regarding requirements. At least one-half of all hours required for the major must be earned at Grove City College. The major requirements determine the Major Quality Point Average (MQPA) calculation.
3. **Major-related requirements.** These courses, though required for the major, do not count toward the major QPA.
4. **Physical education.** Two semester hours required of each student. Not more than eight hours may be counted toward the degree.
5. **Electives.** Sufficient elective hours to complete the total of 128 hours required for the degree. To take advantage of the benefits of a liberal education and avoid overly narrow specialization, a significant portion of these electives should be chosen from fields not directly related to the student's field of concentration.
6. **Chapel.** Chapel attendance is a requirement for graduation from Grove City College. Students are required to attend chapel sixteen times each semester.

NOTE: Minimum piano and vocal proficiency is required of all music majors. All Bachelor of Music candidates must have eight semester hours of applied music in voice or one instrument to complete requirements for their public senior recital.

CHANGING DEGREE PROGRAMS

A student may change to a different major or degree program with the permission of the appropriate department chairman, when space is available within that major or program. In some cases, the Dean of the appropriate school (Arts and Letters or Science, Engineering, and Mathematics) must also approve the change. Forms to change majors are available on the Registrar's web site. There is no fee for changing to a different major or degree program.

Any student changing from a program which does not require foreign language proficiency to one that does (i.e. all B.A. programs and non-science B.S. programs) will be required to demonstrate proficiency according to the guidelines regarding "Foreign Language" under "General Education Requirements."

DUAL DEGREE PROGRAM

A student may earn two degrees simultaneously from Grove City College in two different degree programs pending availability of space in the majors selected and by meeting the following requirements:

- At least 32 additional credit hours must be applied to the second degree beyond the 128 required for the first degree, with a minimum total of 160 hours earned.
- Majors must be completed in two different degree programs, e.g. Bachelor of Science/Bachelor of Arts (BS/BA), Bachelor of Science in Electrical Engineering/Bachelor of Arts (BSEE/BA), etc.
- Students must complete all requirements in force for the chosen majors at the time of matriculation to the College.
- Minimum career QPA required: 2.00.
- Minimum QPA in both majors: 2.00.
- Chapel requirement: No additional chapels are required.
- College and departmental honors will be recognized for both degrees since the full body of work is completed within the dual degree program.

Application Process

A student must submit a letter to the Registrar during the junior year outlining his/her plan to pursue two degrees simultaneously; listing both degrees and majors, total credits earned to the current date, and intended date of completion of all requirements.

SECOND DEGREE PROGRAM

A student holding a baccalaureate degree from Grove City College or another accredited four-year college or university may earn a second baccalaureate degree in a different field. To earn a second baccalaureate degree, the student must:

- Have completed all requirements for the first baccalaureate degree.
- Satisfy all requirements for the second degree, including major and general education requirements.
- Students who have earned their first baccalaureate degree from Grove City College must earn a minimum of 32 credit hours at Grove City College beyond the 128 hours required for the first degree, with a minimum total of 160 hours earned and a mini-

mum CQPA of 2.00.

- Students who have earned their first baccalaureate degree from another college must earn a minimum of 64 credit hours from Grove City College and a minimum total of 128 earned hours for their second baccalaureate degree. The Registrar's Office and the student's Department Chairman will evaluate the student's transcript and determine transfer course equivalents.
- Majors must be completed in two different degree programs, e.g. Bachelor of Science/Bachelor of Arts (BS/BA), Bachelor of Science in Electrical Engineering/Bachelor of Arts (BSEE/BA), etc.
- A student must complete all requirements in force at the time of matriculation to the College for the start of the second degree program unless the student graduates from the College and returns within one year, he/she may then continue to follow the catalog requirements in force of his/her original undergraduate matriculation.
- Minimum career QPA required: 2.00.
- Minimum QPA in both majors: 2.00.
- No college or departmental honors or class ranking will be recognized for a second baccalaureate degree, since students do not complete the full body of work within the second degree division.
- Any student who repeats an undergraduate course within his/her second degree program that counted toward the first degree may not count those hours toward completion of the second degree, however, any repeated hours earned will be included when calculating the second degree QPA.

Students interested in pursuing a second degree should contact the Registrar's Office for information regarding program details and requirements.

MINORS

Minors are not required, but are available in Applied Physics, Astronomy, Biology, Business, Chemistry, Chinese, Christian Ministries, Communication Studies, Computer Science, Economics, English, Entrepreneurship, Exercise Science, Family Studies, French, German, History, Interdisciplinary Classics, Japanese, Mathematics, National Security, Philosophy, Political Philosophy and Theology, Political Science, Psychology, Religion, Sociology, Studio Art, and Theatre.

Students may fulfill the requirements of a minor, subject to availability of space in the field. At least one-half of all hours required for the minor must be earned at Grove City College. The College cannot, however, assure students that they can in all instances complete a minor.

INTERDISCIPLINARY MAJOR

A student may declare an interdisciplinary major tailored to his/her own career or educational needs which cannot be met within the framework of an existing department or major. A student must be at least a sophomore, have a quality point average (QPA) of at least 3.00, prepare an interdisciplinary major application which includes a statement of purpose as well as a proposed advisor, submit a proposed schedule of courses, and have the written permission of both the major department involved and the chairman of the Interdisciplinary Committee. Visit the Registrar's Office for guidelines. A minimum of

forty-eight hours is required for an interdisciplinary major, of which at least twelve hours must be in 300- and 400-level courses. A student who completes all of the requirements for a specific departmental major in addition to those of an interdisciplinary major may be listed under both majors if he/she submits a written request to this effect at least two months prior to his/her graduation. A student interested in declaring an interdisciplinary major should discuss the program guidelines with his/her advisor.

INTERNSHIPS

Grove City College recognizes that an internship can be one of the more valuable experiences a student can have during his or her college career. Practical experience in the workplace is not only an education in itself; it is also increasingly demanded by potential employers in today's marketplace. Students need the opportunity to take advantage of the education, practical experience, and resume potential which only internships can provide. An extensive variety of internship opportunities, therefore, are provided across the curriculum, and all eligible students are encouraged to participate in them whenever possible. The total of all internship credits may not exceed six hours. Students must work a minimum of 60 hours for each credit earned, and some departments may require more for each credit. Students should contact the department coordinator for specific working hour requirements. This statement does not apply to students in the Washington Internship Program. Departmental internships are available for a wide variety of majors and are listed in the course descriptions under the number "480."

Internships must be approved and registered prior to the start of the experience. An Internship fee will be charged for each internship experience on a per-semester basis. (See Expenses and Financial Aid) However, if the internship credit hours extend the total credit hours over 17, then no additional credit hour fee will be charged. The Washington Internship Program has a different fee structure which is outlined below.

While students may do internships purely for the purpose of gaining experience and not for academic credit, the College can certify only those internships done for academic credit under the established programs and guidelines. A maximum of six hours of internship credit may be used toward graduation requirements.

The College does not grant internship credit for any experience in which a student is paid by the federal government, for whatever reason. Conversely, if credit is granted by the College for an internship, then a federal stipend may not be accepted by the student. In no situation may a student accept federal money related to participation in an internship and receive academic credit, as this is prohibited by College policy.

WASHINGTON INTERNSHIP PROGRAM

The Grove City College Washington Internship Program provides students from any academic major practical experience working in Washington D.C. while earning credit for graduation. The program is available to qualified juniors and seniors and counts for twelve to fifteen credit hours for either the fall or spring semesters or six hours during the summer term.

Students enrolled in POLS 481 (Washington Internship) will be required to complete a major research paper and an Internship Folder. The paper should review professional literature appropriate to the intern's area of specialization and comment on the extent to which research activities undertaken on the job reflect the state of knowledge treated in this review. The Internship Folder comprises policy briefs of presentations made by speakers at seminars, public hearings, congressional meetings, White House announcements, and other offi-

cial occasions in which public policy statements and discussions take place. At least fourteen policy briefs are assigned each semester. Interns maintain a log of activities at their place of work and retain copies of documents illustrating research efforts and other assignments requested by their supervisors.

The College does not grant internship credit for any experience in which a student is paid by the federal government, for whatever reason. Conversely, if credit is granted by the College for an internship, then a federal stipend may not be accepted by the student. In no situation may a student accept federal money related to participation in an internship and receive academic credit, as this is prohibited by College policy.

Tuition during the fall and spring semesters is the same as that charged for a full-time semester of study at Grove City College. A student enrolled in the Washington Internship program during the summer term will be charged the Summer Internship fee. Interns are responsible for securing their own housing in Washington D.C., and costs may vary. All inquiries about application forms, deadlines, letters of recommendation, and other matters related to this program should be directed to Dr. Marvin Folkertsma, Director, Washington Internship Program.

INTERNATIONAL EDUCATION

Study abroad is available to qualified students from any academic major in summer, semester and year-long formats. Grove City College students may enroll in programs offered abroad in English or in another language, and may, with prior approval, apply courses completed abroad to specific on-campus requirements for their majors.

Grove City College accepts transfer credits directly from well-established foreign universities or colleges where the student will be taught in a classroom setting for the duration of the semester abroad. If the study abroad program is not affiliated with a well-established foreign university or college, the program must be sponsored by a regionally accredited U.S. college or university, and the student will be required to submit an official transcript from the sponsoring U.S. institution. Transcripts from the study abroad program itself will not be accepted for granting credit. Credit will not be accepted for any study abroad program that is not affiliated with a well-established foreign university and/or a sponsoring U.S. regionally accredited college or university.

Selection of a program and of specific courses takes place in consultation with the department chair of the student's major, the Director of International Education, and the Registrar. There is a "Study Abroad" fee for this program. All inquiries regarding program options, transfer of credits, application forms, deadlines, letters of recommendation and other matters related to study abroad should be directed to the Office of International Education. Further information may be obtained by accessing www.gcc.edu.

Students who have applied for and been awarded Grove City College financial aid for the academic year in which they are studying abroad, including all College-provided merit and need-based awards, will continue to receive that award during the semester(s) when they participate in a full-time study-abroad program which has been approved by the Registrar. The criteria for receiving financial aid will be the same as for on-campus study.

MEDICAL OPTION PLAN

Under certain conditions Grove City College will waive the senior year in residence and may approve the transfer of the first year of graduate courses from an accredited medical school toward the baccalaureate degree. Students considering this option must petition the faculty for approval and must meet the following provisions:

- During residence at Grove City College, the student must attain a career quality point average of 3.00 or higher and have earned no less than ninety-six semester hours of credit.
- Academic credits earned must include all specific general education and major requirements for the degree.
- Certification of the successful completion of the first year's work in the professional school must be presented for approval and evaluation before the baccalaureate degree may be conferred.
- Students who do not complete their approved first-year medical school courses may petition the faculty of Grove City College for the awarding of the baccalaureate degree at the time the professional diploma is awarded.
- Students will not be considered enrolled at Grove City College and will be subject to all policies governing withdrawal from the College. Therefore, participating in the Medical Option Plan will affect the student's enrollment status, financial aid and retention of the College-issued computer system.

Students interested in pursuing this option should contact the Registrar's Office for information regarding program details and requirements.

Grove City College does not accept any funds that derive in any part, directly or indirectly, from federal sources (including scholarship or loan funds). Students who receive any federal financial assistance during their first year of a graduate program will be ineligible to receive credit from Grove City College, and thus ineligible to continue in the Medical Option Plan.

ADULT EDUCATION

Adults living in the local community may attend a class for no credit during a semester for a small fee, pending consent of the professor and seat availability in the classroom. No permanent record of attendance, grade, or credit will be maintained by Grove City College; however, a certificate of completion may be issued, provided all course requirements are satisfied.