

State of Florida Common Prerequisites

The State of Florida requires certain courses within the General Education requirement for the natural, social and behavioral sciences, and mathematics. In addition, students must complete the prerequisite courses listed below prior to being admitted to the Upper Division major. All prerequisite courses must be completed with a grade of "C" or higher. Should any of the courses listed below have a required pre-requisite, universities typically require that a grade of "C" or higher be earned in the pre-requisite course as well. Most universities will require at least a 2.5 GPA in pre-requisite course work. It is important to note that they may not admit you if a course has been repeated, this includes grades of W for withdraws. Additionally, some institutions such as UF and FSU may have the additional requirement of B or higher in these courses, this varies by major and by institution. Lastly, please be reminded that each university may have their own set of requirements in addition to those listed below, as these are only the state required courses necessary to be admitted into the chosen major.

Due to the requirements mentioned above, it is important to do well in the courses listed for your major, and to avoid withdrawing from these courses as these courses can affect admissions. Please check the university website for a complete set of courses and requirements.

Athletic Training

- **BSC 2010 & BSC 2010L** or **BSC 2010C** General Biology I & Lab
- **BSC 2085 & BSC 2085L** or **BSC 2093C** Human Anatomy & Physiology I & Lab
- **BSC 2086 & BSC 2086L** or **BSC 2094C** Human Anatomy & Physiology II & Lab
- **HUN 1201** Human Nutrition
- **PHY 2053 & PHY 2053L** or **PHY 2053C** General Physics I & Lab
- **PSY 2012** Introduction to Psychology
- **STA 2023** Statistics

Biomedical/Bioengineering/ Chemical Engineering

- **BSC 2010 & BSC 2010L** or **BSC 2010C** General Biology I & Lab
- **BSC 2085 & BSC 2085L** or **BSC 2093C** Human Anatomy & Physiology I & Lab
- **BSC 2086 & BSC 2086L** or **BSC 2094C** Human Anatomy & Physiology II & Lab
- **HUN 1201** Human Nutrition
- **PHY 2053 & PHY 2053L** or **PHY 2053C** General Physics I & Lab
- **PSY 2012** Introduction to Psychology
- **STA 2023** Statistics

Business

- **ACG 2021** Principles of Financial Accounting; or **ACG 2022** Accounting Principles
- **ACG 2071** Managerial Accounting I; or **ACG 2301** Managerial Accounting I
- **CGS 2100** Computer Fundamentals for Business; or **CGS 1060** Introduction to Computer Technology and Applications
- **ECO 2013** Macroeconomics
- **ECO 2023** Microeconomics
- **MAC 2233** Calculus for Business; or **MAC 2311** Calculus I (verify with institution that it is an acceptable substitute)
- **STA 2023** Statistics

Computer Engineering

- **CHM 1045 & CHM 1045L** or **CHM 1045C** General Chemistry I & Lab
- **COP XXXX** Any Object-Oriented Computer Programming course
- **MAC 2311** Calculus I
- **MAC 2312** Calculus II
- **MAC 2313** Calculus III
- **MAP 2302** Differential Equations I
- **PHY 2048 & 2048L** or **PHY 2048C** General Physics I w/ Calculus & Lab
- **PHY 2049 & 2049L** or **PHY 2049C** General Physics II w/ Calculus & Lab

Engineering

Engineering is a broad term that covers a wide range of applications and industries. There are many different types of engineering degrees available such as: Civil, Electrical, Environmental, Industrial, Mechanical, and Nuclear. Below are the courses that are necessary for all Engineering majors. Please refer to the institution and the specific area of Engineering you will pursue to identify any additional courses that may be required.

- **CHM 1045 & 1045L** or **CHM 1045C** General Chemistry I & Lab
- **MAC 2311** Calculus I
- **MAC 2312** Calculus II
- **MAC 2313** Calculus III
- **MAP 2302** Differential Equations I; or **MAP 2305** Differential Equations for Engineers
- **PHY 2048 & 2048L** or **PHY 2048C** General Physics I w/ Calculus & Lab
- **PHY 2049 & 2049L** or **PHY 2049C** General Physics II w/ Calculus & Lab

Architecture

- **ARC 2201** Survey of Architectural Philosophy
- **ARC 2301** Design Fundamentals I
- **ARC 2302** Design Fundamentals II
- **ARC 2303** Design Fundamentals III
- **ARC 2304** Design Fundamentals IV
- **ARC 2461** Materials & Methods
- **ARC 2501** Structures: Wood Systems
- **ARC 2701** Survey of Architectural Development
- **MAC 1114** Trigonometry; or **MAC 1140** Precalculus Algebra; or **MAC 2233** Business Calculus; or **MAC 2311** Calculus I
- **PHY 2053C** General Physics I & Lab

Computer Science

- **COP XXXX** Any Introductory Programming in C, C++, Java, or equivalent language. Choose programming language required by the university to which the student wishes to transfer.
- **MAC 2311** Calculus I
- **MAC 2312** Calculus II
- **PHY 2048 & 2048L** or PHY 2048C General Physics I w/ Calculus & Lab
- **PHY 2049 & 2049L** or PHY 2049C General Physics II w/ Calculus & Lab
- Six credit hours of Science courses for Science majors such as **BSC 2010C**, **BSC 2011C**, **CHM 1045C**, or **CHM 1046C**.

Education

- **EDF 2005** Introduction to Education
- Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with the institution they will transfer to as each institution may have additional prerequisites and can vary based the education degree you will pursue.

Exercise Science

- **BSC 2085 & 2085L** or **BSC 2085C** Human Anatomy I & Physiology & Lab; or **BSC 2093 & 2093L** Human Anatomy & Physiology for Health Sciences w/Lab
- **BSC 2086 & 2086L** or **BSC 2086C** Human Anatomy & Physiology II & Lab
- **CHM 1045 & 1045L** or **CHM 1045C** General Chemistry I & Lab
- **CHM 1046 & 1046L** or **CHM 1046C** General Chemistry II & Lab
- **HUN 1201** Human Nutrition; or HSC 2100 Personal Health
- **MAC 2311** Calculus I
- **SPC 2608** Public Speaking
- **STA 2023** Statistics

Information Technology

- **CGS XXXX** Any Computing course
- **COP XXXX** Any Computer Programming course
- **COP XXXX** Any Object-Oriented Computer Programming course
- **ECO 2013** Macroeconomics
- **MAC XXXX** Any Pre-Calculus course
- **PHY XXXX** Any Physics course
- **PSY XXXX** Any Psychology course
- **STA 2023** Statistics
- **MAD XXXX** Any Discrete Mathematics course

Nursing

- **BSC 2085 & BSC 2085L** or **BSC 2085C** Human Anatomy & Physiology I & Lab
- **BSC 2086 & BSC 2086L** or **BSC 2086C** Human Anatomy & Physiology II & Lab
- **CHM XXXX** or **BSC XXXX** or **PHY XXXX** Any Chemistry, Biology, or Physics course
- **DEP 2004** Human Growth & Development
- **HUN 1201** Human Nutrition
- **MCB 2000 & 2000L** Intro Microbiology & Lab; or **MCB 2004 & 2004L** Introductory Microbiology & Lab
- **PSY XXXX** or **SYG XXXX** or **SOP XXXX** Any Social Psychology, Sociology, Social Psychology
- **STA 2023** Statistics

Political Science

- **CPO XXXX** Any Comparative Politics course
- **INR XXXX** Any International Relations course
- **POS 1041** American Federal Government
- **POS XXX** Any Political Science course

Psychology

- **BSC 1105** Intro to Biology; or **BSC 2010C** Principles of Biology I & Lab; or **BSC 2011C** Principles of Biology II & Lab
- **CLP 2140** Abnormal Psychology; or **DEP 2004** Human Growth and Development
- **PSY 2012** Introduction to Psychology
- **STA 2023** Statistics

Law

Law is a graduate degree, the majors referenced below are the most common majors to prepare for admissions to Law School. Law schools are looking for applicants with a variety of majors and there is no preference given to a specific major. It is strongly suggested to take courses that will strengthen your skills in writing, reading, listening, and speaking. Gaining analytical reasoning and critical thinking skills through coursework will also be good academic preparation for law school. The American Bar Association (ABA) does not specifically recommend undergraduate majors or courses. The only exception to the rule about majors is for students who would like to pursue Intellectual Property Law/Patent Law. In this case students need to have an undergraduate degree in science institutions or engineering or at least take multiple courses in key science areas. The courses below are suggested by various schools to help in preparation for law school course work but are not requirements. In addition, it is suggested that students reach out to the Pre-Law Advising office at their institution during their first year for more information on the Pre-Law timeline, requirements, test prep, events, workshops, and organizations.

Common Majors

- Business
- Economics
- English
- History
- Interdisciplinary Studies
- International Relations
- Liberal Studies
- Philosophy
- Political Science
- Psychology
- Public Administration

Suggested Courses

- **ACG 2021** Principles of Financial Accounting
- **AMH 2010** United States History to 1865
- **AMH 2020** United States History from 1865
- **ECO 2013** Macroeconomics
- **ECO 2023** Microeconomics
- **PHI 2010** Introduction to Philosophy
- **PHI 2600** Ethics
- **POS 1041** American Federal Government
- **POS 1112** State and Local Government
- **PSY 2012** Introduction to Psychology
- **SPC 2608** Public Speaking
- **SYG 1000** Introduction to Sociology

Health Sciences

- **BSC 2010 & BSC 2010L** or **BSC 2010C** Principles of Biology I & Lab
- **BSC 2085** Human Anatomy and Physiology I
- **DEP 2004** Human Growth and Development; or **CLP 2140** Abnormal Psychology
- **MAC 1105** College Algebra
- **PSY 2012** Introduction to Psychology
- **STA 2023** Statistics

Additional Courses vary by institution (please check on institution website) but can include:

- **BSC 2011** General Biology II
- **BSC 2011C** Principles of Biology II & Lab
- **BSC 2086** Human Anatomy and Physiology II
- **CHM 1045** General Chemistry I
- **CHM 1045C** General Chemistry I & Lab
- **CHM 1046** General Chemistry II
- **CHM 1046C** General Chemistry II & Lab
- **CLP 2140** Abnormal Psychology
- **MAC 1114** Trigonometry
- **PHY 2048** General Physics I w/ Calculus
- **PHY 2048C** General Physics I w/ Calculus & Lab
- **PHY 2049** General Physics II w/ Calculus
- **PHY 2049C** General Physics II w/ Calculus & Lab
- **PHY 2053** General Physics I
- **PHY 2053C** General Physics I & Lab
- **PHY 2054** General Physics II
- **PHY 2054C** General Physics II & Lab

Pre-Med/ Biomedical Science

The Biomedical Sciences degree serves as a gateway into a variety of health-professional programs such as Medicine, Pharmacy, Dentistry, and Physician Assistant. This degree provides the flexibility to choose advanced-level science coursework based on academic and professional interests. Students contemplating graduate study should pursue a major in the discipline of their interest, such as Biology, Chemistry, or Microbiology.

- **BSC 2010 & BSC 2010L** or **BSC 2010C** Biology I w/ Lab
- **BSC 2011 & BSC 2011L** or **BSC 2011C** Biology II w/ Lab
- **BSC 2085 & BSC 2085L** or **BSC 2085C** Anatomy & Physiology I w/ Lab and **BSC 2086 & BSC 2086L** or **BSC 2086C** Anatomy & Physiology II w/ Lab
- **CHM 1045 & CHM 1045L** or **CHM 1045C** General Chemistry I w/ Lab
- **CHM 1046 & CHM 1046L** or **CHM 1046C** General Chemistry II & Lab
- **CHM 2210 & CHM 2210L** or **CHM 2210C** Organic Chemistry I & Lab
- **CHM 2211 & CHM 2211L** or **CHM 2211C** Organic Chemistry II & Lab
- **MAC 2311** Calculus I

- **MAC 2312** Calculus II; or **STA 2023** Statistics
- **PHY 2048 & PHY 2048L** or **PHY 2048C** General Physics I w/ Calculus & Lab; and]
- **PHY 2049 & PHY 2049L** or **PHY 2049C** General Physics II w/ Calculus & Lab]
- OR
- **PHY 2053 & PHY 2053L** or **PHY 2053C** General Physics I & Lab; and]
- **PHY 2054 & PHY 2054L** or **PHY 2054C** General Physics II & Lab]

Limited Access Majors/Programs

A limited access major is a major where program admission and registration in program courses are restricted to a certain number of students meeting pre-determined criteria. These programs require formal acceptance before you can be fully admitted in the academic program. In addition, Limited-access programs have separate admissions processes and selection criteria. As a result, these majors often require an additional departmental application, completion of specific classes, and/or a minimum grade point average. It is important to note that meeting the selection criteria does NOT guarantee admission into these programs. The selection process is competitive and space is limited. Admission to the institution does not guarantee admission to any of these programs. Some common majors that are Limited Access in most Florida Institutions are: Arts, Business, Computer Science, Education, Film, Engineering, Journalism, Nursing, and Theater.

Due to the selective nature of these majors, it is imperative that you research whether your chosen major is considered Limited Access at the institution(s) you plan on attending. Most institutions have a section on either their Admissions page or Transfer page titled Limited Access Programs and will list them for you.