



Wheaton College

For Christ and His Kingdom

Program Guide

This guide outlines the different majors and elective programs that are available at Wheaton College. We encourage you to use it to help you explore your academic interests and which classes you may want to take your first semester at Wheaton. This is a wonderful time in your academic career to explore areas of interest while setting a solid foundation towards finishing your degree.

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Majors

Applied Health Science (AHS)

wheaton.edu/AHS

The applied health science (AHS) major is designed to prepare students with the academic foundation and critical thought processes essential for their calling as future Christ-centered health care professionals. In their studies, students address the complex factors affecting human health, through a thorough education in biology and chemistry, as well as biostatistics and the development of healthy emotional, physical, relational and spiritual attitudes and behaviors. The AHS department encourages students to honor God with their bodies, the temple of the Holy Spirit (1 Cor. 6:19), to enjoy good health (3 John 2), and to nourish their souls with the truth of our Lord Jesus Christ.

Our majors enter a variety of careers including allopathic/osteopathic medicine, nursing/nurse practitioner, physical therapy, physician assistant, occupational therapy, dentistry, graduate training, chiropractic medicine, biomedical research, hospital administration, public health professions, and human fitness/wellness programs.

Nurturing the body, spirit, mind, and moral character while healing disease is a noble and high Christian calling. It is an act of stewardship and service motivated by love of the Lord and his image-bearers. Many Wheaton applied health science alumni serve sacrificially around the world to help alleviate pain and suffering connected with lack of access to clean water, nutritious food and balanced diets, good health care, and pharmaceuticals and health care facilities. First-year students interested in an applied health science major should plan to take Organization of Life (BIOL 241) during their first year.

Anthropology (ANTH)

wheaton.edu/anthropology

Anthropology at Wheaton focuses on cultural anthropology, the branch of the discipline exploring cultural differences, patterns, and behaviors throughout the world. This empirical approach to cultural study is used to answer the question, “Why do people do what they do, and what does it mean?” Students with a background in anthropology are prepared to understand complex social and cultural contexts, and work effectively in diverse settings anywhere in the world.

All courses in anthropology at Wheaton emphasize a biblical perspective on human language and culture. Christian theological perspectives are integrated into these courses to help students generate a foundation for understanding themselves and others.

A first year student interested in majoring in anthropology should take Introduction to Anthropology (ANTH 116) in the fall or spring of their first year. In addition to meeting a major requirement, this course will satisfy the Social Inquiry and Global Perspectives tags.

Art (ART)

wheaton.edu/art

The creation and analysis of art are vital forms of learning with the potential to transform culture. Majoring in art at Wheaton will help you develop a vision and artistic practice that integrates Christian faith, creative and intellectual inquiry, and active response to the world. You'll also have opportunities to connect with visiting artists, courses in professional practices, and internships in major Chicago and national venues. Art students at Wheaton choose from among three concentrations within the art major:

- a) Studio art: combines hands-on practice with historical, theoretical, theological, and critical dialogue, to learn the process of creating and thinking about art; concentrate on one or combine multiple disciplines (ceramics, drawing, graphic design, new media, painting, photography, printmaking, and sculpture).
- b) Art history: explores the unique intelligence of art in conveying human understanding and the prospects and pitfalls of visual theology in the global Christian tradition; interdisciplinary exploration with Wheaton's world-class archaeology program, in addition to Bible and theology, philosophy, and English.
- c) Community art: explores art's powers of both healing and upheaval as it intervenes and interrupts business as usual from within local communities; includes an internship that leads you to consider local and global applications of community art principles.

Incoming students interested in an art major should take one of the following in their first semester if interested in the studio art or community art concentration: Drawing I (ART 232), Creativity & Design (ART 233), or Digital Studio (ART 234). Students interested in the Art History concentration should take History of Art and Architecture I (ART 251). Studio art and art history concentrations fulfill a portion of the Visual and Performing Arts (VPA) Christ at the Core requirement by taking ART 251 instead of ART 101.

Biblical Archaeology (ARCH)

wheaton.edu/BTS

Biblical archaeology is an integrative discipline that lies at the intersection of biblical studies, ancient languages, and the social sciences. Students in this major are trained to study the Bible within its long-term geographic, historical, cultural, and social contexts. In addition to core courses in archaeology, history, and ancient languages (including biblical languages), the major requires participation in an approved archaeological excavation and an interdisciplinary emphasis in anthropology, ancient languages or geology. The combination of these disciplines provides a strong liberal arts foundation for a variety of vocations as students will be equipped to think historically, linguistically, and archaeologically. Of particular importance for the Christian is the way in which biblical archaeology provides a foundation for biblical study. Today as never before the cultural setting of the biblical text is accessible through archaeological and linguistic discoveries in the Near East. By mooring Scripture in ancient lifeways it is possible to clarify and enliven its message while exploring its contemporary relevance.

An entering student considering archaeology as a major should take Old Testament Archaeology (ARCH 211) in fall semester of their first year to fulfill the Christ at the Core Old Testament requirement. In addition, since archaeology majors are required to gain competency in Greek or Hebrew, it is preferable that a student begin taking one of these languages as soon as possible. Greek or Hebrew may be used to fulfill the Christ at the Core Language Competency requirement.

Biblical and Theological Studies (BITH)

wheaton.edu/BTS

The major in biblical and theological studies seeks to equip students to read and interpret the Bible responsibly and faithfully. We also seek to enable students to encounter and examine movements and developments in the history of the church and learn how Christian doctrine articulates essential convictions of Christian faith. We want students to grow in thinking Christianly about all manner of things in order to act faithfully as disciples of Jesus.

Our faculty members are gifted scholars and committed teachers, and they represent a diversity of denominations, educational backgrounds, and academic specialties. The major in biblical and theological studies is an integrative discipline that both contributes to and benefits from the study of the disciplines of the liberal arts. Courses in biblical and theological studies routinely engage philosophy, history, literary studies, social science, natural science, and the arts.

The School of Biblical and Theological Studies is a community of students, faculty, and staff members who are committed to

academic study, spiritual growth, and active discipleship. The major is excellent preparation for further academic study and pastoral training. It equips students to reflect seriously on their vocation and career, no matter what the field. And it prepares students for active participation in the life and ministry of the church.

First-year students interested in majoring in biblical and theological studies should take Old Testament Literature & Interpretation (BITH 211) or Old Testament Literature in Three Traditions (BITH 221) or Old Testament Archaeology (ARCH 211) in their first year, followed by New Testament Literature & Interpretation (BITH 213) or New Testament Archaeology (ARCH 213) in the following semester. Majors in biblical and theological studies are encouraged, but not required, to take Greek or Hebrew, which may be used to fulfill the Christ at the Core Language Competency requirement.

Biology (BIOL)

wheaton.edu/biology

The biology department offers courses and co-curricular activities that prepare students for graduate, medical and other health-professional schools, and a life of service in various careers including research, health-professions, industry, teaching, and consulting. Students study biological phenomena at several levels: molecular, cellular, organismal, and ecological. They learn processes of science and develop critical thinking skills useful for engaging both scientific inquiry and contemporary issues. At each level of the learning process, students are encouraged to integrate their scientific knowledge with Christian principles and lifestyle. Students may choose to participate in research or internship experiences on- or off-campus. During on-campus research experiences, students work closely with biology faculty who conduct collaborative, cutting-edge research that is recognized nationally and internationally. Faculty maintain collaborations with biologists throughout the U.S. and globally. These contacts are valuable resources for students, helping them transition from student to colleague in the course of their studies. Additional opportunities to develop leadership skills are available to biology majors: teaching assistant and department student staff positions, mentoring opportunities, tutoring, and a student-led biology club.

Business Economics (B EC)

wheaton.edu/bus-econ

The business economics major builds on an economic core consistent with a liberal arts foundation and is intentional about integrating the Christian faith and perspective with the study of business. Students majoring in business economics receive a solid base of understanding of the broad context of enterprise by taking required courses in economics, statistics, calculus, accounting, management, marketing, and finance, as well as other electives in business. Due to its quantitative focus, the business economics major equips students with sufficient technical knowledge to position them for meaningful contributions in business, government, non-profit organizations, and other fields of endeavor, especially when combined with an internship experience.

Chemistry (CHEM)

wheaton.edu/chemistry

Chemistry—the ‘central science’—has its hands in anything that requires understanding the physical world and creating new molecules, materials, and chemical processes to improve society. It is a big task to understand molecules and chemical reactions, but our chemistry majors are all driven to this hard work by a deep admiration of God’s creation and the genius evident in the laws by which he governs the universe. Chemistry majors are bound together by a fascination with the periodic table, by working in the lab with cool chemicals and instruments, and the thought that we can synthesize completely new things never seen before. Faculty in our department, working with students, build new instruments, create new molecules, and reach new understandings of physical processes; this original research is presented at professional meetings and published in top scientific journals. Our majors graduate ready for a wide variety of career paths, including graduate school in chemistry, medical or dental school, pharmacy school, high school teaching, law school, or jumping right into industrial work in the business world as a lab technician or sales person. We have several major tracks that help students tailor their chemistry major to their evolving interests and motivations. Incoming students should plan on taking a full year of physics and one or two classes in calculus before their junior year. General Chemistry can be tested out of, enabling advanced students to start their freshman year in Organic Chemistry if they want.

Chinese (CHIN)

wheaton.edu/languages

A Chinese major is offered for students wishing to explore various career opportunities utilizing the Chinese language. A Chinese major complements study in international relations, political science, business, and anthropology, in addition to numerous other majors, through classes such as Business Chinese (CHIN 335), Readings of Chinese Society and Culture (CHIN 337), Chinese through Scripture (CHIN 302) as well as a study abroad experience. First-year students considering a major in Chinese who took the Chinese SAT II Subject test and scored 500 or higher, or received an AP test score in Chinese of 3, 4, or 5, can take Chinese Conversation (CHIN 331), Chinese Composition (CHIN 332) or other 300-level Chinese courses. Students who did not take the SAT II Subject or AP tests but have studied Chinese in high school or have a background in Chinese should refer to the Christ at the Core Language Competency section of this guide for placement information. Not all 300 or 400 upper level classes are offered each year, so early and careful planning is strongly advised.

Christian Formation and Ministry (CFM)

wheaton.edu/CFM

Christian formation and ministry at Wheaton College focuses on developing an inner transformation toward becoming more like Christ and an outer transformation in preparing to minister to others. A degree in Christian formation and ministry facilitates the development of academically grounded, spiritually maturing, and practically skilled ministers of the gospel who are prepared to build up the church in a changing world. Students are encouraged to mature in their personal walk with Christ and to develop patterns of deep personal integrity and reflection upon their experiences to prepare them for ministry, as well as to gain strong academic grounding and practical skills to minister to others through depth of knowledge and skills in teaching, discipling, and care in times of crisis. Coursework in Christian formation and ministry integrates biblical study and theological perspectives into areas such as spiritual practices, teaching for transformation, compassion and care in crisis, discipleship, and ministry in culture. Introduction to CFM (CFM 115) is foundational to an understanding of what we mean by the terms “Christian,” “formation,” and “ministry.”

First year students interested in majoring in Christian formation and ministry are encouraged to take CFM 115 in the fall or spring of their first year. Students are also encouraged to enroll in Introduction to Spiritual Formation (CFM 131), which is the Wheaton College Passage program, occurring prior to new student orientation. Registration can occur online at wheaton.edu/Passage.

Classical Languages (GREK, HEBR, LATN)

wheaton.edu/languages

The classical languages major equips students with the tools for life-long engagement with human history, literature, philosophy and the enduring questions of human existence. Course offerings focus on ancient texts in the original languages of antiquity, including the Scriptures. Classical languages is not limited to, but may serve as a foundation for advanced work in classical, biblical, and theological studies. The learning and thinking skills acquired through the study of classical languages transfer to careers in secondary and higher education, ministry, translation, publishing, as well as law, medicine, business, and other fields. Interested students should begin early by choosing a core concentration in Greek (either Classical or Koiné), Latin, or Hebrew, to which may be added supporting courses from other languages, archaeology, ancient history and philosophy, Akkadian cuneiform, Egyptian hieroglyphic, linguistics, and biblical exegesis.

This major is best begun in the fall of a student's first year. Students who have had two years of Latin, Greek or Hebrew should take the Classical Languages Placement Test to determine correct placement. Refer to [Core Language Competency Requirement](#) on the website for placement information.

Communication (COMM)

wheaton.edu/communication

Communication explores how people connect, disconnect, perform, influence, or broadcast. Although most people are born with the physical abilities to listen and speak, we must learn to communicate so that change is strategic and lives are improved. Since our mission is to create competent and ethical communicators, we have developed a rigorous curriculum in both theory and practice. Students need to know the hows and whys of verbal, nonverbal, and mediated messages. We explore strategies, techniques, philosophies, and principles guiding the multiple ways that meaning takes shape between persons.

Computer Science (CSCI)

wheaton.edu/computer-science

One of the most interdisciplinary fields, computer science connects to work in the sciences, social sciences, literature, and music. It not only provides computing technology aids but trains your mind for the rigorous, logical thinking required by each discipline. A student majoring in computer science ideally would complete between two and four courses toward the major during their first year, depending on prior credit or experience: complete both of a) CSCI 235 and CSCI 245, and at least one of b) CSCI 243 and MATH 231. All four courses are offered each semester.

- a) CSCI 235 and CSCI 245 together form a two-semester introduction to programming; Credit for CSCI 235 is granted to students who score a 5 on the Computer Science A exam.

Students without AP credit but with substantial programming experience should consult a member of the computer science faculty for initial placement in CSCI 235 or CSCI 245. Students with little or no programming experience should enroll in CSCI 235 in the fall and plan to enroll in CSCI 245 in the spring. Students placed out of CSCI 235 should take CSCI 245 in either the fall or the spring.

- b) Calculus I (MATH 231) and Discrete Mathematics and Functional Programming (CSCI 243) provide mathematical background for much of the work in computer science. Students should enroll in MATH 231 in the fall (unless they already have credit for it), and take CSCI 243 either in the spring or in the fall of their sophomore year. (Consult the mathematics section of this guide for information about credit for and initial placement in calculus.)

We encourage you to visit our online [interview-style guide to computer science at Wheaton College](#). Students who are curious about the field of computer science but are not yet committed to the major can learn more by taking either CSCI 235 or CSCI 243 (spring only), both of which meet the Applied Abstract & Quantitative Reasoning (AAQR) Christ at the Core requirement.

Economics (ECON)

wheaton.edu/bus-econ

The economics major helps students understand the relationships, forces, and patterns that influence the economic order on a micro as well as a macro basis. Students majoring in economics first study foundational principles and then move to theory and applied courses. Key courses in quantitative analysis such as calculus, statistics, and econometrics provide the tools that allow students to apply economic analysis to a wide range of social and economic issues. The economics major provides excellent preparation for advanced studies and vocations in many fields, including law, economics, public policy, and business. Incoming students considering the economics major should plan to take Principles of Microeconomics (ECON 211) during their first year; this course also fulfills the Social Inquiry requirement. In addition, first-year students are encouraged to take Principles of Macroeconomics (ECON 212) and to complete the calculus requirement by taking Calculus I (MATH 231).

Education: Elementary, High School or PK-12 (EDUC)

wheaton.edu/education

The Department of Education is committed to preparing educators who work effectively with all children. The education major is an experience-oriented program based on the liberal arts with a Christian worldview. Initial courses provide historical, philosophical, cultural, and linguistic foundations for education in the twenty-first century. Completion of one of the teacher education programs leads to a Professional Educator License from the state of Illinois in one of the following areas:

- Elementary (grades 1-6)
- High school (grades 9-12 in English, math, social science/history, or science [biology, chemistry, physics, or geology])
- Special K-12, music education, or world languages (French, German, or Spanish)

Any student seeking a teacher license can also earn special education or ESL/bilingual endorsements and/or middle level grade endorsements (grades 5-8) in mathematics, English, language arts, social science, or general science.

Incoming first-year and transfer students interested in an education major should plan to enroll in the first two education courses (EDUC 135 and EDUC 136), and accompanying practicum (EDUC 136L) sometime during the first year at Wheaton College.

Engineering Dual Degree Program (ENGR)

wheaton.edu/engineering

The dual degree engineering program at Wheaton will allow you to combine the best of two different worlds—a rigorous Christian liberal arts training in an amazing community and a strong engineering education from one of many fully ABET accredited engineering schools around the country. In addition, at Wheaton you will be empowered and encouraged to use your engineering knowledge to serve Christ and His Kingdom. Our engineering students spend their first three years at Wheaton taking the full range of courses in Bible, theology, social science, art, music, literature, writing, etc., just as any Wheaton student would. Engineering students also complete the math, science, and lower division engineering courses that form the essential foundation for all of the engineering fields. Nine different engineering courses are offered at Wheaton and most of these include hands-on projects. Project work is supported by a dedicated engineering design lab. After three years, students transfer to an accredited engineering school for two years of dedicated engineering coursework. The engineering school can be chosen from among many possibilities including the University of Illinois–Urbana Champaign, University of Minnesota, Purdue, and many others. A joint program is in place with the nearby Illinois Institute of Technology (IL Tech) which allows students to spend all five years

living at Wheaton College while completing courses at either school. Students may also remain on campus and complete their studies at Northern Illinois University with whom we maintain a transfer agreement. Upon completion of the dual degree engineering program, all students receive two degrees—a B.S. or B.A. in Liberal Arts Engineering from Wheaton and a B.S. in their chosen engineering discipline from the engineering school.

A student who is considering the dual degree program should include Introductory Physics I (PHYS 231) and Calculus I (MATH 231) in their fall schedule. Anyone considering Biomedical Engineering or Chemical Engineering should enroll in CHEM 231 as well. All engineering students should also plan to take Introduction to the Engineering Profession (ENGR 101) in the spring semester.

English (ENG, ENGL, ENGW)

wheaton.edu/English

Writing for Fortune Magazine, Wilson Peden explains that “the skills employers value most in the new graduates they hire are not technical, job-specific skills, but written and oral communication, problem solving, and critical thinking.” These are the very abilities developed by the surprisingly practical, yet remarkably pleasurable and enriching, study of English. The English curriculum is designed to deepen your understanding of literature and writing in relation to the human experience, allowing you to explore important themes and questions. Our accomplished faculty do this by welcoming students into the study of literary works from various genres, diverse cultures, and different periods of history. And they mentor aspiring authors as they learn to shape their talent through different forms of creative writing. They also prepare future instructors for the wonderful calling of teaching English at public and private schools around the globe. Students in all three concentrations—literature, writing, and teaching—strive to read closely, to think critically, and to write clearly, creatively, and persuasively. Our faculty assist students as they situate works of literature in culture and history, articulating how those works enter into conversation with one another. They also encourage students to undertake research for the purpose of joining the critical conversation, particularly through the writing of meaningful essays. Each English concentration prepares students for life beyond Wheaton:

- a) The English Major with Literature Concentration: fosters interpretation, analysis, and problem-solving.
- b) The English Major with Writing Concentration: includes 16 hours of writing courses; develops written communication, language knowledge, and imagination.

- c) The English Major with Teaching Concentration: includes a double major in education and; prepares students to teach at the middle school and high school levels with certification.

(Please see the English department website or the Wheaton College catalog for additional information on each of the major concentrations.)

All English majors are required to take both ENGL 155 (or ENGL 156), and ENGL 215. They should therefore avoid taking ENGL 111 or ENGL 115, which are for non-majors. If a student decides not to major in English, ENGL 215, 155 or 156 will complete the Literary Explorations Thematic Core requirement. Note: ENGL 155, 156, or 215 cannot be met by Advanced Placement scores. Students are encouraged to take ENGL 155 (or ENGL 156) and ENGL 215 during their first year, if at all possible, since these two courses develop the skills, introduce terminology and literary history, build the foundation majors will need in upper division courses, and provide a broad survey of classical and early-British literature.

Environmental Science (ENVR)

wheaton.edu/env-sci

The environmental science major at Wheaton College teaches students to understand and care for God's creation. The program prepares students for a lifetime of environmental stewardship and service integrating the natural and social sciences to comprehensively address multifaceted environmental challenges. Students learn how to protect environmental systems, inform the local and global church about its witness and role in environmental stewardship, and how to influence society to make environmental policy that reflects creation care. Opportunities for applying environmental science exist in missions, community development, industry, regulatory agencies, policy, non-governmental organizations, education, business and many other fields. Environmental science majors take a core curriculum of natural and social science courses, including at least one field course and an internship or research experience. In addition to completing this core curriculum, students pursue specialized environmental study by selecting 12 credit hours of environmental science electives that support the student's specific interests and calling. All environmental science courses include the Biblical underpinning of creation care and the role of the church in reaching the world for Christ through sustainable environmental, social and economic development.

All students considering a major in environmental science should take The Dynamic Earth and Environment (ENVR 212/212L) during the fall of their first year. Environmental Law, Justice and Development (ENVR 231) should also be taken during B Quad

of the fall semester. Poverty, Justice and Transformation (HNGR 114) is a highly encouraged selection for the spring semester of the first year. The recommended approach for completing the core biology requirements of the major (BIOL 242 and 243) is to take the courses at the Wheaton College Science Station in the Black Hills the summer after the first or second year, which also completes the field course requirement of the degree. Early planning to complete the field course and internship/research experience requirement is highly encouraged.

Students considering a major in Environmental Science are encouraged to contact the program director, Dr. Chris Keil (chris.keil@wheaton.edu, 630.752.7271), with any questions.

French (FREN)

wheaton.edu/languages

Studying French at Wheaton is an adventure in cross-cultural communication. We study language in context, so our classes encompass the study of the history, literature, cinema, and art of the entire French-speaking world both inside and outside of France, including many countries in Africa and the Caribbean, Quebec, and Louisiana. In addition to learning how to communicate creatively and accurately, students who study French at Wheaton sharpen their analytical skills and cultivate the virtues of compassion and empathy. Studying abroad (usually in France or Quebec) is an exciting, integral aspect of our program, and many students cite their overseas experience as the most important and enriching component of their undergraduate studies. French students at Wheaton have gone on to careers in teaching (both in the United States and overseas), business, non-profit work, missions, music, law, the travel industry, student development, government, medicine and the sciences.

The usual choice for incoming students considering a major in French is to take French Conversation (FREN 331) and Global French: Introduction to Francophone World (FREN 333) in their first year with no particular preference as to order. At the same time, students who place into 100- or 200-level courses can expect to complete the major successfully. Students who have studied French in high school or have other background in French should refer to the Christ at the Core Language Competency section of this guide for placement information. (Students who score a 5 on the AP test may request departmental approval to opt out of FREN 331 and move immediately in the fall to another upper-level course.)

Geology (GEOL)

wheaton.edu/geology

The geology major at Wheaton prepares geoscientists and community leaders for a world of expanding knowledge, diminishing natural resources, and rapid environmental change. You will be equipped for graduate studies in earth and environmental sciences or entry-level employment in related fields including resource development, environmental management and missions/development.

Students considering a B.S. or B.A. major in geology should take Dynamic Earth and Environment (GEOL 212/212L) during their first year. GEOL 212/212L are also recommended for any student interested in earth science teaching or interdisciplinary majors involving the geosciences, such as environmental science (GEOL 212 is cross-listed with ENVR 212). For the B.S. geology major, either CHEM 231 or MATH 231 should also be taken in the fall semester (see catalog for course descriptions). Following GEOL 212, B.S. and B.A. majors should continue taking supporting courses in chemistry, physics or math, following the recommendations of geology academic advisors. First-year geology majors should take Earth History and Stratigraphy (GEOL 321) if it is offered in the spring semester. Many courses in the geology major are offered alternate years, so it is important for students to meet regularly with advisors for updated information on future course schedules.

German Studies (GERM)

wheaton.edu/languages

Few cultures have exerted a more profound or lasting influence on the history of the world or the church than those of the German-speaking peoples of Europe. The German studies major prepares students to observe, interpret and participate in the contemporary societies of Austria, Germany, and Switzerland, and to understand both the historical origins and the cultural trajectories of these countries. Through on- and off-campus instruction in German history, religion, literature, politics, and business, the program emphasizes proficiency in Europe's most widely spoken first language while focusing on a comprehensive understanding of the Federal Republic of Germany, the most populous and influential member of the European Union. Faculty facilitate internships and service learning opportunities with political and ministry organizations and businesses in the U.S. and overseas. Graduating German studies majors regularly pursue advanced study or work in contexts that demand intercultural communication skills and/or knowledge of the German language and culture.

The usual choice for incoming students considering a major or minor in German studies is to take Contemporary German Culture and Mores (GERM 341) in the fall and Contemporary German

Culture: Politics, Economics and Current Events (GERM 342) in the spring. Students who place into 100- or 200-level courses will be able to complete the major successfully during four years of undergraduate study. Students who have studied German in high school or have other background in German should refer to the Christ at the Core Language Competency section of this guide for placement information. (*Students who receive a German AP test score of 5 may request departmental approval to opt out of GERM 341 and move immediately in the fall to another upper-level course.)

History and History/Social Science (HIST)

wheaton.edu/history

The past, C. S. Lewis once wrote, is like a “roaring cataract of billions upon billions” of individual moments. The heart of history is the quest to make sense of that awesome totality. At its best, history feeds both the intellect and the soul. As an intellectual discipline, history trains the mind in ways of thinking astutely about the past. Students trained to think historically develop a number of widely applicable skills, including the ability to read carefully, think critically, argue logically, and communicate persuasively. These skills are foundational to any number of life callings, e.g., in law, public policy, foreign service, business, teaching, medicine, and ministry. As part of the pursuit of wisdom, the study of history also draws students into a grand dialogue across the ages, a “conversation with the dead about what we should value and how we should live.” In the end, history helps us in understanding both our world and ourselves. Regardless of your intended major, a course from the history department can play an important role in your general education.

A variety of courses offered by the department can be taken to fulfill the Historical Perspectives (HP), Global Perspectives (GP), and Diversity in the United States (DUS) requirements in the Christ at the Core curriculum. Students can satisfy the Historical Perspectives requirement by completing any section of HIST 102, Exploring the Global Past (which will simultaneously satisfy the Global Perspectives requirement), or HIST 103, Exploring the American Past (which will simultaneously fulfill the Diversity in the United States requirement). HIST 102 and HIST 103 classes are innovative seminars that introduce students to historical habits of mind while exploring a key topic, theme, period, or event in global or U.S. history. Typically, at least a half-dozen sections are offered each semester on topics including French and Haitian Revolutions, Imperial Japan, the Civil Rights Movement, and Race Relations in the United States. In addition to satisfying two Christ at the Core requirements, both HIST 102 and HIST 103 not only equip students for life-long learning but also serve as excellent introductions to the history major. Please note that students

with scores of 4 or 5 in AP World History have met the Historical Perspectives requirement. AP credits in U.S. or European History do not fulfill the Historical Perspectives education requirement at Wheaton College.

First-year students who are considering a history major are also encouraged to enroll in HIST 102 or 103 seminars. These seminars provide an introduction to historical thinking, fulfill multiple requirements in the Christ at the Core Curriculum, and also count toward elective credit in the major. Alternatively, students who are strongly considering a history major might instead enroll in HIST 201, Why History? (which fulfills the Historical Perspectives requirement) or one of the department's broader survey courses in U.S. History (e.g. HIST 251 or 252) or European History (e.g. HIST 345, HIST 348, or HIST 349).

The history/social science major is for students who wish to pursue secondary school teacher licensure. Students interested in teaching also complete courses in secondary education as part of this program. Incoming students considering the history/social science major are encouraged to enroll in a World History section of HIST 102, unless they have already received a score of 4 or 5 in AP World History, in which case they might either enroll in Why History? (HIST 201) or in one of the department's broader survey courses in U.S. or European History (e.g. HIST 251, HIST 252, HIST 345, HIST 348, or HIST 351).

Interdisciplinary Studies (IDS)

wheaton.edu/IDS

Interdisciplinary studies (IDS) offers students an opportunity to create their own unique major at Wheaton. Students who apply and are accepted into this selective program will complete their undergraduate education in an unconventional way, integrating upper-divisional course work from any two or three of the College's existing academic majors. IDS majors will also establish a "guiding directive," which represents the rationale for the IDS major's integrative work. The guiding directive will involve choosing an important human problem, stating a related investigative question, and deciding on an analytic response according to a theme. The guiding directive will also provide the basis for the student's choice of courses listed in the personal program of study. Courses selected must be thematically congruous and reflect the ideal of a coherent, integrated whole. The culmination of the IDS major's program of study will be the IDS final research project, which allows the student to complete a qualitative, quantitative, or creative study that is related to the chosen disciplines. This final project will be presented to peers in the senior seminar and evaluated by two faculty members knowledgeable with the topic. IDS majors often focus their projects on central issues

pertaining to the arts, social sciences (including urban studies), humanities, natural sciences, HNGR (Human Needs and Global Resources), communication, modern culture, social policy, and the health professions, to name a few. The major emphasizes the importance of becoming a problem-solver who can integrate knowledge from various disciplines and express it with critical understanding, creative skill, and redemptive purpose. Such an innovative major is becoming increasingly popular, given that it combines a student's personal passions with practical application. Because IDS is a rigorous major, only students who possess educational vision and personal discipline should plan to apply during their sophomore year.

International Relations (IR)

wheaton.edu/polisci

The international relations (IR) major teaches students about global affairs, diverse political cultures, critical foreign language skills, the nature of international politics, and the global body of Christ. The IR major equips students to engage effectively with other cultures and prepares them for careers in government, law, missions, international business, international development and relief, journalism, education, and further graduate studies. A highlight of the IR major is the required internship, in which students work alongside professionals in government, policy think tanks, or NGO offices with an international focus. These internships often include spending a semester overseas, so students can experience international work first-hand. Recent IR majors have served in China, El Salvador, Israel, Kosovo, Malaysia, India, and the Philippines, among other places. During their program, IR majors must also take courses in a chosen language, and approved history or economics courses.

Liberal Arts Nursing

wheaton.edu/nursing

The liberal arts nursing major is a dual degree program. Students in this dual degree program have the benefit of a liberal arts education during three years of study at Wheaton combined with clinical education at one of Wheaton's nursing school affiliates. There are two formal affiliations to choose from:

- a) In a partnership with Indiana Wesleyan University, students can apply to complete the Transition in Nursing program in fourteen months after three years at Wheaton College and acceptance into the program.
- b) The newest affiliation is Elmhurst University; students complete the three-year major curriculum at Wheaton and apply to the Master's Entry to Nursing Practice. This partnership allows students to remain on Wheaton's campus in the fourth year of study and commute twenty minutes to the Elmhurst

campus. Any financial aid received in the first three years can continue into the fourth year. Upon completion of the fourth year, students graduate from Wheaton and continue in the master's program at Elmhurst paying Elmhurst graduate tuition for the last year of study.

In addition to these formal affiliations, some students have attended Emory University (Atlanta, Georgia) for a Bachelor of Science in Nursing (B.S.N.) Students complete the B.S.N. in two additional years after Wheaton. Students may choose to look at Case Western Reserve University Frances Payne Bolton School of Nursing's Senior Year in Professional Studies program. The dual degree program allows students to complete a B.S. from Wheaton and a M.S.N. from CWRU in a total of five years.

It is possible to transfer to a non-affiliated nursing program and still complete the liberal arts nursing major. Students should consult the director of health professions regarding this option during their first year. It is important to note, many students interested in nursing select a non-nursing major and attend nursing school after graduation from Wheaton College. Students choosing a major other than liberal arts nursing will complete pre-requisites required for the specific program(s) they are interested in applying for. Additional information is shared in the elective program section of this guide.

If planning to declare a liberal arts nursing major, first semester students are required to take BIOL 241. If the student plans on two sciences in the fall semester, CHEM 231 is required for the major and CHEM 232 can be taken in the spring. Students are strongly encouraged to take one or two other general education course(s) (Core Competencies or Thematic Core) to add to their science course(s) and the required First Year Seminar (CORE 101). Students interested in nursing may speak with the director of health professions before classes begin or during the first week of classes. You can also learn about [liberal arts nursing](#) on the Wheaton College website and [in the course catalog](#).

Mathematics (MATH)

wheaton.edu/mathematics

The mathematics major at Wheaton provides broad exposure to core themes in mathematics and statistics, while allowing students to specialize in an area of concentration based on their career goals and interests. Rigorous courses in mathematics and statistics combined with experiences in mathematical modeling and computing (using Java, MATLAB, and R) provide our majors with opportunities in industry, graduate school, or secondary education. Math majors select one of the following four concentrations: pure mathematics, applied mathematics, statistics, or secondary education. The math major is well-suited to be combined with other majors such as business, economics, physics, computer science, engineering, or chemistry.

Students planning on majoring in mathematics should enroll in Calculus I (MATH 231), Calculus I B (MATH 233), Calculus II (MATH 232), or the Calculus II B sequence: Calculus II B (MATH 234) in A-Quad and Vector Calculus (MATH 331) in B-Quad. Calculus placement is determined by the following AP scores:

- A student with an AP Calculus BC score of 4 or 5 will receive 6 hours of college credit: 4 hours for MATH 231 and 2 hours for MATH 232. These students should take MATH 234 in A Quad and MATH 331 in B Quad during the fall semester.
- A student with an AP Calculus AB score of 4 or 5, or BC score of 3, will receive 4 hours of college credit for MATH 231 and should register for MATH 232.
- A student with an AP Calculus AB score of 3 will receive 2 hours of college credit for MATH 231 and may enroll in MATH 233 (B-quad only). Note, a student who has completed the Calculus sequence may start with MATH 245 (Linear Algebra), MATH 333 (Differential Equations), MATH 331 (Vector Calculus), or CSCI 235 (Programming I).

Calculus Readiness Assessment: Students who plan to enroll in Calculus I (MATH 231) must pass the benchmark of 75 or above on the [Calculus Readiness Assessment \(CRA\)](#) or have credit for MATH 131 (Precalculus). Because of the vast differences in preparation and backgrounds, there are no exceptions to this rule. (Note that if you score high enough on the AP test you are allowed to start in MATH 233–Calculus IB, MATH 232–Calculus II, or even MATH 234–Calculus IIB and none of these courses require the CRA.) If you have any questions regarding the Calculus Readiness Assessment, please feel free to contact Dr. Stephen Lovett (stephen.lovett@wheaton.edu).

Music

wheaton.edu/music

When you study music, you build a repertoire of skills that apply well beyond the field of music. You'll instill personal discipline, refine problem-solving skills and abstract thinking and improve memory and intellectual capacity. You'll also explore your artistic potential while building collaboration and leadership skills with other musicians. With these skills, you'll be well-prepared to go on to a variety of career, graduate school and ministry options. The Wheaton College Conservatory of Music offers several Bachelor of Music degree options (in performance, composition, history & literature, pedagogy, music education, or music with elective studies in an outside field) as well as a Bachelor of Arts degree in music. Please visit the [Wheaton College Conservatory of Music](#) website for more information about the different music programs available.

First-year students planning to major in music should enroll in the following music courses for the fall term as follows: Music Theory I (MUTC 151), Aural Skills I (MUTC 152), Introduction to Music Studies (MUMS 115), Recital & Concert Attendance (MUEP 219), and Individual Performance - Private Lessons (MUIP 201-222). The specific course number of your private lessons should correspond to your primary instrument. For example, if voice is your primary instrument, sign up for MUIP 204 (Voice). Private lesson times are arranged during the first week of the fall semester between the student and the private instructor. The number of credit hours for MUIP primary instrument lessons depends upon the degree:

- 3 (three) hours credit: Bachelor of Music (Performance)
- 2 (two) hours credit: Bachelor of Arts in Music, Bachelor of Music Education, Bachelor of Music (Composition), Bachelor of Music in Pedagogy, Bachelor of Music (History and Literature), and Bachelor of Music with Elective Studies in an Outside Field

After auditions are completed in the fall, all music majors will add a large music ensemble, MUEP 213-218. Pending piano proficiency examination in the fall, music majors may also be required to add piano class or piano lessons.

Please contact the Conservatory of Music academic office at 630.752.5487 for more details.

Philosophy (PHIL)

wheaton.edu/philosophy

Philosophy is a disciplined reflection on many of life's most interesting and important questions—questions about the nature of the world, human nature, and the conditions of human flourishing. Does God exist, and if so, what is God like? Are there objective moral principles binding on all persons? How can humans attain true happiness? What do the demands of justice require of me? To what extent, if any, are humans free? When, if ever, is it morally permissible to take a human life? These questions have always been at the core of a liberal arts education. Philosophy's questions are often life-orienting questions, the answers to which shape our self-understanding, and sometimes direct life's plans and purposes.

Philosophy helps us to understand and evaluate complex and controversial ideas and perspectives. In particular, philosophical study fosters skills in critical thinking, argument analysis and construction, the ability to think independently, creatively, and to form reasonable judgments orally and in writing. Philosophy students also develop an integrative vision that enables them to appreciate the ways in which philosophical concerns touch upon our personal and professional lives, other academic disciplines, and broader social concerns. These abilities are crucial transferable skills that can contribute to success in a variety of career and life contexts.

Students can earn a philosophy major by completing 32 designated hours of philosophical coursework. Since philosophical questions are raised across the whole range of human experience, including our studies in a variety of academic disciplines, the department offers an "integrated major" that allows students to complete the major by taking 24 hours of required philosophy courses and 16 hours of designated courses in a companion discipline. Integrative majors may combine 24 hours in philosophy and 16 in art history, theology, biology, English, or some other discipline to earn a philosophy major.

Most students who major in philosophy did not choose the discipline because it leads to a specific career path. Rather, philosophy majors cultivate a variety of "transferable skills" that will serve them well in virtually all career choices, including the ability to read critically, think analytically, write and speak clearly and persuasively, understand and evaluate alternative perspectives, and see the implications of various viewpoints and policies. These "transferable skills" are in demand no matter one's vocational calling. Graduates of Wheaton's philosophy department have pursued careers in law, medicine, ministry, computer programming, counseling, foreign service, editing, sales, social work, teaching, and even as college presidents (Dr. Ryken, Wheaton College's current president, graduated with a

Wheaton philosophy degree). So in response to the question, “What can you do with a philosophy major?” the honest answer is, “Anything you want!”

First-year students are encouraged to take any 100 or 200 level philosophy course. Offerings for Fall 2020 include Introduction to Philosophy (PHIL 101), Philosophy of Art (PHIL 217), Suffering (PHIL 241) and Global Justice (PHIL 251).

Physics (PHYS)

wheaton.edu/physics

The physics department offers courses designed to enable students to understand deeply the nature of the physical world God has created for us to live in. Our faculty of accomplished scholar-teachers seeks to instill a sense of wonder as we explore together the marvels of the universe, from the smallest fundamental particles to the large-scale structure of galaxies. Physics is unique in its offering of both theoretical insight developed through sophisticated mathematical knowledge and also real-world experimental and computer skills. Many of our students participate in summer research programs, both with Wheaton faculty and at other universities. Many students also participate in the ongoing life of the department by joining the Society of Physics Students or by working as teaching assistants or tutors. Throughout the curriculum, a strong emphasis is placed on helping students learn what it means to be both a Christian and a physicist. A degree in physics at Wheaton can lead to success in graduate physics programs, medical, law and other professional schools, high school teaching, or directly to rewarding careers in technical and non-technical fields. A number of different B.S. and B.A. physics degree tracks are available to serve students with different interests, including secondary education and applied physics. Details are available in the course catalog.

A first-year student who is considering a Physics major should include Introductory Physics I (PHYS 231) and Calculus I (MATH 231) in their fall schedule.

Political Science (PSCI)

wheaton.edu/polisci

Politics is at the heart of the liberal arts, for it is in studying how different communities make decisions, pursue justice, and manage conflict that we can see more clearly how political institutions connect to human flourishing. A political science major equips students with concepts and methods for analyzing the role and impact of political actors and institutions worldwide. It also cultivates Christian character for civic and public engagement by encouraging the integration of biblical and theological perspectives with current issues in politics and international relations. Coursework guides students to a deeper understanding of the

nature and role of political institutions in contemporary life and encourages students to reflect on ways their Christian belief and practice inform complex policy issues. Our majors participate in a range of department-sponsored activities and have interned at a wide range of organizations including the State Department, overseas embassies, Capitol Hill, think tanks and religious and secular NGOs. The department's excellent teachers and rigorous classes prepare students for a wide range of careers in the public and private sectors as well as placement in high-quality graduate programs and top law schools. Department graduates regularly pursue careers in law, government, public affairs, business, education, development, and international affairs.

Psychology (PSYC)

wheaton.edu/psychology

Psychology is the scientific study of brain, behavior, thought and emotion, including the application of research to a wide range of individual and social concerns. Psychology is central to contemporary culture's understanding of what it means to be a person. We seek to understand this rapidly changing field in the context of Christian faith and practice. Faculty are engaged in teaching, scholarship, and clinical training across a wide range of topics including neurological, perceptual, developmental, and social aspects of human behavior. Students study these topics in courses, through mentoring in faculty laboratories, and through internships and field experience in psychology. Psychology is useful in preparing for further study or careers in many fields such as mental health care and counseling, behavioral research, neuroscience, medicine, law, engineering, social work, ministry, education, and personnel management.

Students interested in psychology should first take Introduction to Psychology (PSYC 101), which provides students with an understanding of the major approaches to psychological research and application. Introduction to Psychology meets the Social Inquiry requirement of the Christ at the Core curriculum and exposes students to the field of contemporary psychology from a distinctively Christian perspective. If you have already passed the Psychology AP Test or transferred in Introduction to Psychology credits, the next step is to take Statistics (PSYC 268). Statistics also meets the AAQR (Applied Abstract & Quantitative Reasoning) thematic core requirement of the Christ at the Core curriculum.

Sociology (SOC)

wheaton.edu/sociology

Sociology offers an analytical lens with which to look at society. We consider how individuals shape and are shaped by social structures such as the family, corporations, the church as an organization, and culture. We try to make connections between the visible (or symbolic) world and the invisible mechanisms that make our world. Sociology provides a framework for understanding human relationships in law, medicine, ministry, and higher education, as well as applied fields such as social work, human resource management, family services, evaluation research, and demography. We evaluate the presuppositions of sociology from a biblical perspective, while also examining changes in technology, values, and social structures.

Students who are interested in a sociology major should take Introduction to Sociology (SOC 115) during their first year, which also meets the Social Inquiry (SI) and Diversity in the United States (DUS) Christ at the Core requirements.

Spanish (SPAN)

wheaton.edu/languages

Spanish is spoken world-wide by some 470 million persons and by about half the population of the Western Hemisphere; in the U.S., it is the second most widely spoken language after English. Majoring in Spanish is, therefore, a process that broadens one's view of God's work in the world while building important communication skills. Our academic program combines coursework in language, literature and cultures, and offers formal and experiential learning opportunities on-campus, in the community, and abroad. Recent graduates have gone on to careers in education, health professions, social services, business, and ministry.

First-year students considering a major or minor in Spanish often take Spanish Conversation (SPAN 331) in the fall and Advanced Grammar and Composition (SPAN 332) in the spring. Students who place into 100 or 200 level courses can also expect to complete the major successfully by beginning their coursework during their first year. Students who have studied Spanish in high school or have other background in Spanish should refer to the Christ at the Core Language Competency section of this guide for placement information

Urban Studies (URBN)

[wheaton.edu/
urban-studies](http://wheaton.edu/urban-studies)

When asked why he came to Wheaton, the founder of Wheaton College, Jonathan Blanchard, answered, “Because Wheaton is near Chicago—the Gate City between the Atlantic and Pacific, between Western Europe and Eastern Asia.” We live in an increasingly urban world, and at Wheaton College, we want to learn about cities and from them by engaging urban communities in Chicago and beyond. The urban studies major and minor are interdisciplinary, globally engaged, theologically informed, and experiential programs. Urban studies helps students develop a sophisticated grasp of urban life, including both the inner-workings of neighborhoods and cities and their relationships to global affairs. Courses focus on the emergence and growth of cities, the complexities and challenges of the urban condition, approaches to place-making, belonging, and community empowerment, and the increasing articulation of dynamic urban centers to global political, economic, social and cultural activities. The Center for Urban Engagement (CUE), which includes multiple academic programs and community engagement initiatives, also supports the urban studies major and minor. Core and supporting faculty from every academic division at the College share in the enterprise of promoting just, sustainable, and flourishing urban communities through the academic study of cities and transformational experiences of urban life. All urban studies majors and minors participate in Wheaton in Chicago (WIC), which is a flagship CUE program. During the WIC semester, students live in College-operated apartments, secure practical work experience through an internship, and take courses in urban studies, theology, and other disciplines for major and Christ at the Core credit. Urban studies students have gone on to successful careers in advocacy, the arts, community and economic development, education, planning, policy, public health, social enterprise and social work. Our alumni have secured fellowships, including Fulbright grants, and have gone on to excellent graduate and professional schools in anthropology, economics, geography, ministry, political science, psychology, sociology, theology, urban planning, business, education, law and medicine.

First-year students considering majoring in urban studies or participating in Wheaton in Chicago should take Social Life of Cities (URBN 114) during their first year. This course also meets Christ at the Core requirements in both Global Perspectives (GP) and Social Inquiry (SI).

Elective Programs

In addition to our many majors and minors, Wheaton College also offers several elective programs that you may wish to consider pursuing. Completing an elective program is a great way to focus your elective studies in an area of interest apart from your major.

Discipleship Certificate

The discipleship certificate is an interdisciplinary program in partnership between the Department of Christian Formation and Ministry and the chaplain's office at Wheaton College. It is designed to prepare all students, regardless of major, to disciple others in whatever contexts they are called to serve. It seeks to cultivate the knowledge, dispositions, and skills necessary to take part in the work of discipleship both here at Wheaton and in the broader church. The goal of the program is to provide a deep and experiential education for those students participating in discipleship ministries, blending theory and practice in significant ways. Although the program's academic home is the Department of Christian Formation and Ministry, courses are also offered in Biblical and theological studies and communication. Through these offerings, students will be equipped in biblical foundations, spiritual formation and ministry, and best practices for discipleship within the context of small groups. Students from any major are eligible for the discipleship certificate.

Early Christian Studies Certificate

The certificate in early Christian studies is an interdisciplinary program in the School of Biblical and Theological Studies that fosters the study of early Christianity as a source of wisdom for contemporary issues. It provides a rigorous and integrative academic opportunity for undergraduates to explore how theology relates to the world today. Early Christianity is a fertile source of theological reflection and spiritual renewal. It marks the era of the martyrs, the monastics, the formation of orthodoxy, the conversion of the Roman Empire, and the synthesis of theology and classical learning. Christians throughout the centuries have drawn on the early church to generate new expressions of faithfulness; Martin Luther, John Calvin, John Wesley, and Dietrich Bonhoeffer were all students of early Christianity who appropriated its teachings and practices to face the challenges of their day. The early church continues to attract interest across Christian traditions for how it embodied intellectual creativity, spiritual vitality, and concrete action in the midst of great social and political change. The certificate's academic home is the Department of Biblical and Theological Studies, but it draws from several

other disciplines, including art, anthropology, history, Christian education and ministry, modern and classical languages, and sociology. Students from any major are eligible for the certificate.

Gender Studies Certificate

The gender studies certificate allows students a chance to engage the economic, political, and cultural aspects of gendered societies, both at home and around the world. This interdisciplinary certificate program engages global sociopolitical issues, biblical and historical approaches to femininity and masculinity, the complex cultural processes involved in gender construction, and interpersonal gender dynamics. Our certificate students have studied issues such as sex trafficking, women in leadership within the church, the sexualization of the media, the role of art in promoting social awareness, and the prevalence of sexual violence. The program's academic home is the Department of Sociology and Anthropology, although students from any major are encouraged to complete the certificate. In addition to required core classes in sociological and theological thought, electives are taken in three areas: theology and theory, social and historical context, and cultural considerations of everyday life. For their senior projects, students will both be able to connect gender concerns with their discipline, as well as design practical ways to promote conversation and encourage others to engage and consider gendered contexts. Students with global interests also have the opportunity to work with the [Wheaton Network Initiative on Gender, Development and Christianity](#).

We encourage students to take Gender and Society (SOC 347) and Gender and Theology (BITH 383) in their first year or second year. Ideally, students will take these classes before the other electives within the certificate. Some of these electives may also count for general education credit or major/minor requirements. More information is available on the [gender studies web page](#). Students considering the certificate are encouraged to contact sociology.anthropology@wheaton.edu or visit the sociology and anthropology office in Blanchard Hall to schedule a meeting with the coordinator of the program, Dr. Amy Reynolds.

Human Needs and Global Resources Program

The Majority World or Global South, comprising substantial portions of Africa, Asia, Latin America, and the Middle East, faces monumental challenges. At the same time, these regions are endowed with substantial human and natural resources that are their hope and future. Human Needs and Global Resources (HNGR) is an academic certificate program that integrates multidisciplinary coursework, a six-month internship, and whole-person formation through experiential learning. Students live, work, worship, and serve with local communities worldwide, while accompanying host partner organizations that confront poverty, challenge inequity, transform conflict, pursue justice, and seek fullness of life. The program cultivates a life-orienting commitment to justice, intercultural humility, compassion, hospitality, environmental health, and peacemaking, as actively reflected in lifestyle and vocation. Each internship includes supervised study and service related to the student's interests, and enables students to learn about culture and appropriate development responses within specific cultural contexts. Past internships have included projects in agriculture, church development, community art, community development, conflict transformation, education, environmental restoration, ethnomusicology, gender, health and nutrition, HIV/AIDS, anti-trafficking, hydrology, legal advocacy, micro-enterprise, property rights, social justice, and youth development. Human Needs and Global Resources promotes student commitments to formulating Christian responses to the issues facing the globe and its peoples, responding in their lifestyles and vocational choices. Students from any major may take the introductory course Poverty, Justice and Transformation (HNGR 114), without obligation to complete the HNGR certificate. Students who wish to earn the certificate must submit a formal application (usually in the fall semester of their second year) and be accepted to pursue the six-month off-campus internship and additional course work. Details are available in the Human Needs and Global Resources office and at wheaton.edu/HNGR.

If you are interested in exploring the possibility of participating in Human Needs and Global Resources, there are two important first steps: 1) include Poverty, Justice, and Transformation (HNGR 114) in your course of study during your first three or four semesters, which also meets Social Inquiry and Global Perspectives requirements; and 2) contact the Human Needs and Global Resources office as early as possible to make in inquiry about meeting with HNGR staff (HNGR@wheaton.edu; 630.752.5199).

Leadership Certificate

The leadership certificate seeks to foster the development of emerging leaders who seek a depth of character and skill that will enable them to contribute to effective and redemptive communities, organizations, and churches. This certificate integrates coursework with a progression of transformation experiences that involve hands on leadership in real world settings.

This certificate involves a minimum of 20-22 credit hours, at least 8 of which are completed at HoneyRock, Wheaton College's Outdoor Center for Leadership Development. Participation in Summer Leadership School at HoneyRock and completion of an approved additional leadership practicum or internship is also required. Students interested in the leadership certificate are encouraged to register for Wheaton Passage at HoneyRock prior to New Student Orientation and should consider taking CFM 115 or HNGR 114 during their first year.

Military Science (Army Reserve Officers Training Corps)

Two military science courses are available for first-year students who are interested in learning more about leadership development, the military, its role in society, the military as a mission field, and military service opportunities.

Leadership and Personal Development (MSCI 101) and Introduction to Tactical Leadership (MSCI 102) are introductory courses to the ROTC Program. MSCI 101 is offered in the fall semester, and MSCI 102, in the spring semester. You must enroll in the ROTC program as a non-contracted (non-obligated) cadet and also sign up for Leadership Laboratory (MSCI 123) in order to take MSCI 101 or 102. No military obligation is incurred by enrolling in freshman ROTC. Through enrollment in the Reserve Officers Training Corps program, however, you may pursue a commission as a Second Lieutenant in the Army, along with the baccalaureate degree.

A limited number of ROTC Scholarships, which provide yearly payments of full tuition, \$1200 for books, and a monthly stipend of \$420, are offered by the U.S. Army to outstanding students enrolling in the four-year ROTC program. More information is available on the [ROTC website](#). Also, first and second year students may apply for three-year and two-year Army ROTC On-Campus Scholarships.

If you have previous military service, it may be possible to enter with advanced standing. Interested students should contact the Department of Military Science's Enrollment Officer, Nathan Lalone, directly at Nathaniel.Lalone@wheaton.edu or 630.752.5680.

Mission Studies Certificate

The certificate in mission studies (CMS) is particularly relevant for students considering a career in mission work. In particular, students planning to go on to graduate school or seminary, whether in pastoral ministry, mission work, or other cross-cultural Christian work, would find benefit in the CMS. As a research focused degree, the CMS would also prove advantageous for students planning to pursue a career in Christian academia. The certificate in mission studies is a research focused, interdisciplinary program designed to produce the next generation of missiologists. Missiology is an inherently interdisciplinary field of study focused on the historic and contemporary work of serving the church around the world. The primary disciplines that have long contributed to this field of study are cultural anthropology, history, and theology. The certificate in mission studies at Wheaton brings together these fields, along with several others, to help students develop the analytical skills relevant to understand global missions work today. The core of the program is in anthropology (ANTH 116) and Christian Formation & Ministry (CFM 322/332). Students have options for research methods (SOC 482, ANTH 482, INTR 572), will choose elective credits from a variety of areas, engage in an experiential component through a summer practicum in conjunction with the Office of Christian Outreach (OCO), and a final research project to be conducted as an independent study under the guidance of a faculty mentor in the field of the student's primary interest.

Students who wish to earn the certificate in mission studies must complete an application by December 1 of their sophomore year and submit it to Dr. Brian Howell, director of the certificate. Students should plan to take ANTH 116 by the end of the sophomore year, prior to the mission practicum. Students from any major can complete a certificate in mission studies.

Neuroscience Certificate

Neuroscience is the study of the brain and the nervous system structure and function. The neuroscience certificate is housed in the psychology department and is designed to introduce students to this field through interdisciplinary coursework and research. This program has a set of core courses and a research emphasis. It also offers a variety of courses from several departments to complete the certificate hour requirements according to the student's own interests. The certificate provides a strong undergraduate foundation for graduate training in neuroscience or psychobiology, as well as clinical psychology, psychiatry, pharmacology, or psychiatric-mental health nursing.

Peace and Conflict Studies Certificate

The peace and conflict studies certificate prepares students to think seriously in the midst of geopolitical complexities like war, genocide, terrorism, and human rights violations. Courses examine conflict, violence, justice, inequality, social change, and human rights, utilizing the research and methodologies of multiple disciplines, including, but not limited to, anthropology, history, political science, sociology, psychology and theology. The peace and conflict studies program at Wheaton College addresses questions such as: has armed conflict increased or decreased since the advent of the nuclear age? How do we address religiously motivated violence? How do we navigate the competing claims of Christians of the just war and pacifist traditions? The program equips students to translate their coursework both into Christian reflection and into individual and collective action. The certificate creates an academic space where students ponder the insights of various disciplines, expands global and experiential learning opportunities, and provides an engaging forum for the integration of faith and learning. Christian citizens cannot confront the world effectively without understanding the pervasiveness of conflict, considering various paths to strategic peacebuilding, and understanding the role of religion and religionists in peacebuilding

Pre-Law

The pre-law program at the College is designed to assist students in exploring or confirming a calling to service in the legal profession. The pre-law program provides students with access to a variety of resources, activities, and events that focus on mastering the law school admissions process, preparing for a legal education, and understanding the legal profession. Law schools do not specify any particular major, so pre-law students are encouraged to major in any discipline that captures their interests and passions. The College offers a broad liberal arts education that provides students with a solid foundation for law school. In addition to providing several law-oriented courses, the College offers a pre-law studies certificate program, an interdisciplinary program that provides a concentration of course work to support the future study and practice of law. This program is designed to develop a student's cognitive faculties for analysis, reading comprehension, and written and oral expression, and includes a law-related internship.

Pre-Dental, Pre-Medical & Pre-Physician Assistant Medical

Physician assistant and dental schools do not recommend any particular major. Students are welcome to study any discipline, but must complete necessary pre-requisites. Typically, the pre-requisites include one year each of the following courses: College Biology (BIOL 241/242), General Chemistry (CHEM 231/232), Organic Chemistry (CHEM 341/342), and Physics (General or Introductory). Other courses such as Biochemistry, Calculus, Statistics, advanced biology, advanced writing, and social science may be required by some professional schools. Biochemistry, statistics and social science will be helpful toward studying for the MCAT (Medical College Admissions Test).

The usual fall schedule would include College Biology I (BIOL 241) and General Chemistry (CHEM 231). If students desire to take only one lab science in the fall, the recommendation is BIOL 241. The exception would be students majoring in chemistry who should prioritize CHEM 231. The director of health professions encourages students to attend a first year workshop for helpful information in the fall semester. Questions are answered via email at health.professions@wheaton.edu.

Pre-Nursing

For students intending to pursue nursing studies after a Wheaton College bachelor's degree, typically through an Accelerated BSN or Graduate Entry Master's program, the director of health professions is able to assist students in course planning and exploration of the nursing field. Pre-nursing students are encouraged to declare any major of interest to them personally and complete pre-requisite courses alongside the general education and major requirements. Although admission requirements differ by program, typical pre-requisites are Anatomy & Physiology (AHS 351/361), Microbiology (BIOL 324), Statistics, Chemistry and Lifespan Development or General Psychology (PSYC 101). BIOL 241 is a pre-requisite course for two of the above listed courses and is a frequent course in first-year student schedules. If specific questions arise, please contact the health professions office at health.professions@wheaton.edu.

Other Health Professions

Students can prepare for pharmacy, veterinary medicine, physical therapy, optometry, nutrition and dietetics, audiology, speech-language pathology, and many other allied health professions. In the fall semester, BIOL 241 and CHEM 231 are recommended and BIOL 242 and CHEM 232 can be taken in the spring semester. The usual fall schedule for a student interested in a health program would be BIOL 241 and CHEM 231. Students may choose to take only one science course (with lab) during their first year. It is recommended that chemistry be taken during

the sophomore year in this case. However, it would not be wise for a chemistry major to delay the subject. If specific questions arise, please contact the health professions office at health.professions@wheaton.edu. Students interested in public health, occupational therapy or healthcare administration often are not required to take as many science courses as the career paths listed above. Students interested in occupational therapy will need to take Anatomy & Physiology (AHS 351/361) during their college career; BIOL 241 is a pre-requisite and can be taken in the first semester, or students can wait and take the class in a subsequent year. Admissions requirements vary for each health profession program, and the major selected by the student will differ.

Teacher Education Programs for Elementary and Secondary/ High School Education

The Wheaton Teacher Education Program (WheTEP) for elementary (grades 1-6), high school (grades 9-12), and special (grades PK-12) licensure seeks to prepare teachers for schools around the nation and the world. Students desiring to teach at the middle grade level will need an endorsement in a content-specific area and a middle grade methods course (18 hours). Students planning to teach in grades 1-6 are encouraged to also acquire the ESL, bilingual or special education endorsements. Students planning to teach in grades 9-12 major in English, history/social science, mathematics, or science (biology, chemistry, geology, or physics) and will add a middle grade endorsement for this content area. Students pursuing licensure in grades PK-12 may major in music education, Spanish, French, or German. It is important for students seeking licensure to follow the suggested WheTEP program closely, beginning with their first year. Contact education@wheaton.edu for advising.

Students seeking high school (grades 9-12) or elementary (grades 1-6) licensure may wish to consider the Master of Arts in Teaching (M.A.T.) program. The M.A.T. is available in each of the high school education majors, as well as grades PK-12 world languages (Spanish, French, or German). Students who earn licensure in elementary education are also eligible to complete a Masters of Arts in Teaching program by majoring in another area and completing the licensure courses as a graduate student. Prospective teachers in the M.A.T. program typically fulfill requirements for WheTEP and M.A.T. course work in ten semesters. The additional course work for the master's degree allows for greater depth in the major and additional study in professional education such as ethical and cultural perspectives in teaching. Dr. Il-Hee Kim (ilhee.kim@wheaton.edu) coordinates these M.A.T. programs and is available to answer questions about these options. The College's teacher education programs are accredited by the

Illinois State Board of Education. All students must successfully complete content examinations administered by the Illinois Licensure Testing System and a nationally-scored Teacher Performance Assessment. Completion of the program results in licensure in Illinois. Due to rigorous state teacher preparation standards, transfer of this license to other states is typically a relatively simple matter. More information about the requirements of other states is found at WheTEACH.org.

Worship Arts Certificate

The Certificate in Worship Arts is an interdisciplinary program designed to provide opportunity and training in Biblical arts ministry in the church. This certificate will prepare students, eager to organize and lead worship in the church, with comprehensive theological understanding and basic musical skills.

Environmental Sustainability Certificate

Environmental sustainability is the practice of living well in the environment God created without jeopardizing the ability of future generations to flourish. Achieving this requires careful reflection, deep thought, and a robust understanding of the scientific, economic, and cultural components of the dynamic and interconnected world in which we live. The certificate in environmental sustainability program prepares students from any major to integrate the methods and ethics of sustainability into whatever vocations they embrace.

The keystone of the program is an eight week “Sustainability Summer” spent at the Wheaton College Science Station in the Black Hills of South Dakota, where the student will intensively engage with both the theory and practice of environmental sustainability. In-depth study of the foundational principles will be coupled with hands-on development and implementation of a sustainability initiative. This will require the application of technical, regulatory, and financial competence embedded within the framework of a Biblical understanding of stewardship and creation care. Sustainability summer programming is available in summers of even-numbered years. Students interested in the environmental sustainability certificate may contact Dr. Chris Keil (chris.keil@wheaton.edu) with questions.

Politics, Philosophy, and Economics Certificate

The certificate in politics, philosophy, and economics (PPE) works to recognize, encourage, and deepen Wheaton College students' ability to engage a wide variety of public policy issues with the skills and knowledge drawn from the intersection of all three disciplines.

Students begin with Introduction to Political Economy (PPE 201) and then take a set of core classes from political science, philosophy, and economics, along with a class in introductory statistics. They can then specialize to some degree by taking two elective courses in two of the three disciplinary areas. They will then finish up with a two-hour course in which they will work on a practical project employing the skills they have developed already in their previous classes. Students familiar with all three disciplines will be better prepared to understand and work on solutions to a wide variety of problems in both the private and public sector.

