A BRIGHT FUTURE FOR STEM MAJORS

Over 100 Career Choices Upon Graduation
STEM STATISTICS
SAY IT ALL

It’s no secret to anyone. We live in a scientific, technologically advanced world that changes moment by moment. It is exciting to see how today’s college students can impact these scientific and technical changes in endless ways. Students choosing to major in one of the many STEM (Science, Technology, Engineering, Mathematics) programs available to today’s students have opportunities open to them like never before. According to Teach for America, **60% of future jobs will be in science or math related fields and only 20% of the population will have the skills for these jobs.** These statistics underscore the fact that job placement for students graduating with STEM degrees is significantly higher than many other majors.

Rather than take time to search many different websites, we have listed the wide array of STEM career opportunities in one convenient Career Guide for your benefit. Take a look at the types of careers available in each of these majors on the following pages.
APPLIED HEALTH SCIENCE

Successful careers in Applied Health Science combine a fascination with the structure and function of the human body and a passion to help others. Many students choose to go into graduate schools in medicine, dentistry, physiology, biomechanics, anatomy, nursing, nutrition, public health or other fields. Examples of some Christian students’ callings include:

- Allopathic/Osteopathic Medicine
- Biomedical research
- Chiropractic Medicine
- Dentistry
- Dietary Science
- Fitness
- Gait Laboratory Analysis
- Nursing
- Nutrition
- Occupational Therapy
- Physical Therapy
- Physician Assistant
- Public Health Professional
BIOLOGY

Agronomist  
Biometrician  
Conservation Biologist  
Consulting Biologist  
Dentist  
Ecologist  
Forester  
Geneticist  
Genetic Counselor  
Horticulturist  
Medical Researcher  
Microbiologist  
Molecular Biologist  
Nurse  
Pharmacist  
Physical Therapist  
Physician  
Restoration Ecologist  
Science Writer  
Teacher  
Veterinarian
Often students go directly into the following careers:

Chemical Industry
Entrepreneurial Ventures
Finance and Investments
Forensics (Analytical)
Crime Scene
Missionary Work

Sales and Marketing
Technical Products
Urban Planning
Resource Development
Conservation and Environment

Some Students choose to continue their studies and attend professional and graduate schools to prepare for careers in:

Chemical Engineering
Dentistry
Industrial Research
Law (especially patents and licensing)

Medicine
Pharmacy School
Research in Foundations/National Labs
Teaching
GEOLOGY

The study of geology comprises a diverse and large field of career options for students to pursue:

- Climatologist and Climate Modeler
- Earth Science Educator
- Economic Geologist
- Engineering Geologist
- Environmental Geologist
- Geoarchaeologist
- Geochemist
- Geomorphologist
- Geophysicist
- Hydrologist
- Mineralogist
PHYSICS

Following the completion of a physics degree, one can undertake graduate work or launch a career in a wide variety of technical and nontechnical fields including:

**Business**
- High-tech Entrepreneur
- Quantitative Financial Analyst
- Technical Marketing
- Technical Management

**Engineering**
- Astronaut
- CIA Analyst
- Congressional Staffer
- Patent Examiner
- Science Advisor

**Government/Science Policy**
- Astronaut
- CIA Analyst
- Congressional Staffer
- Patent Examiner
- Science Advisor

**Health Professionals**
- Medical Physicist
- Physician

**Journalism**
- Popular Science Writing
- Technical Editing

**Law**
- Intellectual Property Law
- Patent Clerk

**Research**
- Applied Physics
- Astronomy/Astrophysics
- Atmospheric Physics
- Atomic/Molecular Physics
- Biophysics
- Chemical Physics
- Cosmology
- Geophysics
- Nuclear Physics
- Particle Physics
- Plasma Physics
- Renewable Energy Physics
- Solid State Physics

**Teaching**
The computer science major leads to a wide variety of career options that include:

Computational Chemist
Computer/Network Security Specialist
Database Developer
Intellectual Property Attorney
Network Specialist

Programmer
Software Developer
System Administrator
Web Developer
The diversity of engineering offers students a wide array of specialization including:

- Aerospace Engineering
- Agricultural Engineering
- Architectural Engineering
- Biomedical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Environmental Engineering
- Industrial Engineering
- Mechanical Engineering
- Nuclear Engineering
- Safety Engineering
- Software Engineering
The mathematics major leads to diverse career opportunities. Some samples of careers for students who graduate from this program include:

Actuarial Science  Mathematician
Engineering  Professor or Teacher
Health Professions  Statistician
Investment and Financial Analysis

Interested in hearing what a current college student has to say about what he wishes he’d known before majoring in a STEM program and where some STEM graduates are today? Download a free student testimonial and graduate highlights today.

CLICK HERE TO DOWNLOAD FREE STUDENT TESTIMONIAL AND GRADUATE HIGHLIGHTS

To read more about studying STEM at Wheaton College, and why STEM majors are well-positioned for research opportunities, graduate programs and career options going forward please read the following two pages.
Students at Wheaton College have an excellent choice of a wide array of majors, e.g., Applied Health Science, Biology, Chemistry, Computer Science, LA Engineering, Environmental Science, Geology, Mathematics, LA Nursing, Physics. Students participate in a Christ-centered education where they engage with the best and brightest faculty in scientific inquiry and integration of Christian faith into science. At the same time, students will learn from some of the best and brightest scholars in their field. You can find out more about our Christian approach to natural sciences by reading, “The Natural Sciences at Wheaton College,” an insightful reflection on science and faith written by our faculty.

Besides offering a top tier, state-of-the-art science facility in the Meyer Science Center, Wheaton undergraduate students have the unusual opportunity to conduct original research with well-credentialed faculty in a dynamic setting using state-of-the-art technology. These experiences propel students into the next stages of their career.

Research Opportunities

- Conduct collaborative research with Wheaton faculty during summers and/or the academic year

- Participate in research and/or internships in other parts of the scientific community, e.g., industry, universities, and the developing world

- Disseminate research results in professional venues and journals
In addition, Wheaton students have the opportunity to integrate their scientific interests with their global passion for the Kingdom of Christ through science-based mission trips. For example, Wheaton geology majors have traveled to Africa and have applied their geological skills to the provision of clean water to villages. Other students interested in life sciences have traveled to Latin America assisting health professionals who deliver health care.

Our 3/2 LA Engineering program offers a ‘best of both worlds’ approach, combining the best of liberal arts education with the final two years studying at any number of ABET accredited engineering schools.

Computer Science is an interdisciplinary field where intersections between the natural sciences, social sciences, humanities and music engage the mind in logical, critical thinking required for all of the liberal arts.

In mathematics, our faculty are experts in their fields of specialization, the history and foundation of mathematics, theoretical statistics, math modeling, discrete math, cryptography, fractal geometry and chaos theory, to name a few.

Foundational to a Wheaton Education in the STEM fields is an understanding that a sound biblical theology gives us a proper basis for scientific inquiry. Scientists at Wheaton enjoy their role as stewards of God’s Creation and training students in the strong scientific traditions For Christ and His Kingdom.

Interested in hearing what a current college student has to say about what he wishes he’d known before majoring in a STEM program and where some STEM graduates are today? Download a free student testimonial and graduate highlights today.