



Undergraduate Concentration Applied Sciences

36 degree credits • accepted in bachelor's degree
• **Multidisciplinary Studies**

the Applied Sciences concentration builds a broad foundation across scientific disciplines, integrating scientific thought and analysis throughout a rigorous course of study.

Careers & Further Study — Applied Sciences provides a practical academic framework enabling graduates to work in science-related fields such as biotechnology, biological research, information technology, health science, and environmental science. Further, the broad nature of this concentration lays the theoretical and practical foundations for graduate study in the sciences.

General Education/Natural & Physical Sciences — Students intending to concentrate in Applied Sciences must first qualify by fulfilling their general education requirement in natural sciences with a GPA of 3.3 (B+) in the following courses:

SCI225	General Biology	3
MAT201	Statistics	3
SCI308	Principles of Engineering	3

Applied Sciences Concentration

Life Sciences 9 credits

SCI226	Biology Concepts & Procedures	3
SCI230	Anatomy & Physiology	3
SCI337	Microbiology	3

Mathematics 3 credits

MAT310	Mathematical Thought	3
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Physical Sciences 9 credits

SCI138	Physical Geology	3
CHM100	Chemistry I	3
SCI215	Physics I	3

Technology Sciences 6 credits

CMP(new)	Computer Systems Theory	3
SCI(new)	Emerging Technology Theory	3

Program Outcomes — Demonstrated general understanding of:

- Fundamentals of scientific and analytical thought, data-based reasoning, scientific method, logic, and critical thinking.
- Biological systems; concepts and lab procedures in the life sciences, human biology, and microbiology.
- Mathematical reasoning: statistics, statistical inference, probability, set theory, techniques of proof, real numbers, mathematical induction and axiomatic systems.
- General concepts and procedures in physics, geology, chemistry; materials and their impacts on human health and the environment.
- Fundamentals of engineering: machines, technologies, structures, devices and materials; information systems, computers and their impact; development and manufacturing of new technologies.

Cambridge College

School of Undergraduate Studies

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Undergraduate Concentration

Justice Studies

24 degree credits • accepted in bachelor's degrees

• **Multidisciplinary Studies** • **Psychology** • **Human Services**

Justice Studies is concerned with treating justice issues as a general class of social and political problems to be understood. It is through understanding of the issues that underlie injustice that society is able to create social change. It is the mission of the Justice Studies program to recognize that the fair and equitable provision of justice is the only path to a more just and humane world.

The concentrations that develop within the Justice Studies program will offer students applied learning for professional growth.

Careers & Further Study — Students may continue to graduate study in law, forensics, criminology, political science, social justice, religious and peace studies. This program can lead to careers in law, government service, corrections, law enforcement, politics, urban and community planning, mediation and management in NGOs, government, and community agencies.

Required Courses 15 credits

(new)	Introduction to Justice Studies	3
JUS225	Introduction to Social Justice	3
(new)	Special Topics in Justice Issues	3
(new)	Wealth, Poverty & Inequality	3
PSY470	Psychology Internship I or	
BHS470	Human Services Internship I	3

Internships must be approved by the program coordinator.

Justice Studies Electives choose 9 credits

JUS200	Crime & Criminal Justice	3
JUS205	Introduction to Legal Studies	3
(new)	Justice & Gender in World Politics	3
JUS345	War, Peace & Non-Violence	3
PSY328	Forensic Psychology	3
JUS368	American Immigration Law & Policy	3
JUS342	Girls & Delinquency	3
JUS350	Introduction to Juvenile Justice	3
JUS356	Youth & the Law	3
JUS415	Violence in American Society	3
JUS430	Global Justice for Youth	3
JUS435	Restorative Justice & Victim-Offender Reconciliation	3
SOC212	Introduction to the American Legal System	3
PSY471	Psychology Internship II or	
BHS471	Human Services Internship II	3

Internships must be approved by the program coordinator.

Other electives may be substituted with approval of program coordinator.



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