

TECHNOLOGY & INNOVATION

Majors included: Biochemistry & Biotechnology, Computer Science, Computing Technology, Cybersecurity, Entrepreneurship, & Information Systems

The Technology & Innovation Pathway is intended for students that are fascinated by technology and role in plays in society. Students will be exposed to majors that are directly-associated with technology in a variety of capacities including research, application, and business. Those interested in these majors should also be prepared for an emphasis in mathematics early on with the expectation for that to increase in future semesters.

Math Proficiency not satisfied

Semester 1

*Assumes 60+ hours completed

Course Number	Course Name	Credits	Notes
ENGL 3120* ENGL 3130** ENGL 3160	Business Writing* Technical Writing** Writing in the Sciences	3	*Students considering Information Systems **Students considering Computer Science, Computing Technology, or Cybersecurity
MATH 1030 MATH 1045	College Algebra Pre-Calculus	3 or 5	
INF SYS 1800*	Computers & Information Systems*	3	*Students considering Information Systems
ENT 1001	Intro to Entrepreneurship	3	
HIST 1001 PHIL 3380	American Civilization Before 1865 Philosophy of Science	3	

Total credits: **15 or 17**

Semester 2

Course Number	Course Name	Credits	Notes
MATH 1035 MATH 1800*	Trigonometry Analytical Geometry & Calculus I*	2 or 5	*Students considering Computer Science, Computing Technology, or Cybersecurity
CHEM 1111	Introductory Chemistry	5	
COMP SCI 1250	Introduction to Computing	3	
ECON 1001	Introduction to Microeconomics	3	
GEOL 1001	General Geology	3	

Total credits: **13 or 16**

Math Proficiency satisfied

Semester 1

Course Number	Course Name	Credits	Notes
MATH 1800	Analytical Geometry & Calculus I	5	
CHEM 1111 CHEM 1121*	Introductory Chemistry I Introductory Chemistry II	5	*Students considering Biochemistry & Biotechnology
CMP SCI 1250 CMP SCI 2250*	Introduction to Computing Programming & Data Structures*	3	*Students considering Computer Science or Computing Technology, Cybersecurity
ENT 1001 ECON 1001*	Intro to Entrepreneurship Principles of Microeconomics*	3	*Students consider Information Systems

Total credits: **16**

Semester 2

Course Number	Course Name	Credits	Notes
BIOL 1831*	Introductory Biology: From Molecules to Organisms*	5	*Students considering Biochemistry & Biotechnology
CMP SCI 2250* CMP SCI 2261*	Programming & Data Structures* Object-Oriented Programming*	3	*Students considering Computer Science or Computing Technology, Cybersecurity
ECON 1002*	Principles of Macroeconomics*	3	*Students considering Information Systems
PHIL 3380** ACCTNG 2400***	Philosophy of Science ** Fundamentals of Financial Accounting	3	**Students considering Biochemistry & Biotechnology or Engineering ***Students considering Information Systems

Total credits: **14**