Career Plan of Study Science, Engineering & Math

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path*. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.*

High School

9th Grade	10th Grade	11th Grade	12th Grade
Eng. 9 or Eng. 9 Honors	**Eng. 10 or Eng. 10 Honors**	**English 11 or English 11 Honors**	**1 Literature and 1 Writing Course**
Pre-Alg. **Alg. I,** or Geometry	Alg. I, **Geometry,** Alg. II	Alg. II or higher for 4 year college	Math elective recommended
Science 9 or Biology	**Biology,** Chemistry, Earth Science	3rd Lab Science for 4 year college	Science elective recommended
E. Cultural Studies or H	**US History** or AP US Hist.	Social Studies elective optional	**Gov./H, and Econ.** or AP Microecon.

Career & Technical Education Electives

Manufacturing
Computer Aided Drafting (CAD)
Principles of Engineering 1 & 2
Microsoft Word 1 & 2
Computer Applications 1 & 2

Additional High School Electives

Upper level math-Pre-Calculus, Calculus, AP Statistics
Upper level sciences-Physics, AP Biology, Anatomy & Physiology, Organic/Qual. Chem.
Foreign Language

Career Enhancement

Work-based Learning Options	Short-Term Training Options
On-The-Job Training:	❑ AutoCAD ❑ Safety Training

Post-Secondary

Apprenticeships	Technical College	College/University
❑ Teledata Communications ❑ Instrument Technician	❑ Applied Engineering Technology ❑ Civil Engineering Technology ❑ Computer Control Engineering Technology ❑ Electrical Engineering Technology ❑ Industrial Engineering Technician ❑ Instrumentation ❑ Materials Technology ❑ Nanoscience Technology ❑ Telecommunications Technologies	❑ Actuarial Science ❑ Biology ❑ Chemistry ❑ Civil Engineering ❑ Computer Science ❑ Electrical Engineering ❑ Industrial Engineering ❑ Mechanical Engineering ❑ Physics ❑ Statistics
For more information visit www.witechcolleges.com/default.htm	For more information visit www.witechcolleges.com/default.htm	For more information visit www.wisconsin.edu

Pathways: Engineering and Technology, Science and Math