

Suggested Four-Year Plan of Study

Engineering Technology Department

Applied Science & Technology Program



Technology / Engineering Education Industry Training Concentration

FRESHMAN YEAR

Fall Semester	16 Credits
MATH 1300* QR course: Precalculus.....	4
ENGL 1100 Writing I.....	3
FYE 1022 FYE Seminar: Evolution of ET	3
ENGT 1000* Electrical Systems & Circuits.....	3
Any FA course.....	3

SOPHMORE YEAR

Fall Semester	17 Credits
PHYS 2300 SI course: General Physics I.....	4
CMGT 2035 Building Construction Systems.....	4
ENGT 2020 Statics & Dynamics.....	3
ENGT 3010 Building Design I.....	3
CL course	3

Spring Semester	15 Credits
ENGL 1200 Writing II.....	3
ENGT 1020 Engineering Graphics.....	3
ENGT 1050 Technical Analysis	3
ENGT 2030 Materials Testing & Quality Control	3
Any PL course	3

Spring Semester	15 Credits
ENGT 1860* Introduction to Education (5-12)	3
EDUC 2011* Diversity in Education	3
Any WS course.....	3
Any HI course.....	3
Any LI course.....	3

JUNIOR YEAR

Fall Semester	15 Credits
ENGT 3000 Energy & Sustainable Practices.....	3
CMGT 3022 Surveying	3
ENGT 3025 Engineering Design: Fab. Sys. I	3
EDUC 2012 Teaching the Adolescent Learner (5-12)	3
Any DP course	3

SENIOR YEAR

Fall Semester	15 Credits
CMGT 3030 MEP & HVAC Systems	3
CMGT 3035 OSHA: Safety & Risk Management.....	3
ENGT 4850 Methods of Teaching Tech/Eng Edu. (5-12) II	3
SPED 3800 Inclusive Education (5-12).....	3
CMGT/ENGT/Internship*	3

Spring Semester	15 Credits
CMGT 4020 Communication & Transportation Technologies. 3	
ENGT 3026 Engineering Design: Fab. Sys. II	3
ENGT 3300 Methods of Teaching Tech/Eng Edu. (5-12) I	3
ER course*	3
Any PW course	3
MTEL Preparation.....	0

Spring Semester	12 Credits
CMGT/ENGT Electives.....	12

* Needs approval from governance.

General Education: Foundation

- 3 credits Reading and Information Literacy (R and IL): First Year Experience
- 3 credits Writing (W): Writing I
- 3 credits Writing and Information Literacy (W and IL): Writing II
- 3 credits Quantitative Reasoning (QR) (MATH)
- 3 credits World Languages, Speaking and Listening (WS)

General Education: Exploration

- 3 credits Civic Learning (CL)
- 3 credits Diverse Perspectives (DP)
- 3 credits Ethical Reasoning (ER)
- 3 credits Fine Arts Expression and Analysis (FA)
- 3 credits Historical Inquiry and Analysis (HI)
- 3 credits Literary Inquiry and Analysis (LI)
- 3 credits Personal Wellness (PW)
- 3 credits Procedural and Logical Thinking (PL)
- 3 credits Scientific Inquiry and Analysis (SI)

General Education: Integration

- 9 credits AIA (3 of which must be Integrative High Impact Practice - IHIP)
- OR
- Minor (professional majors completing a minor or second major must include at least 9 credits in LA&S disciplines for that minor)

General Education: MAJ

- There may be major courses that have been approved to fulfill up to 3 General Education requirements (at least 9 credits). Varies by major and concentration.

Suggested 4-year plan of study. Completion of 120 credits required for graduation.