

Manufacturing Engineering Technology Concentration

FRESHMAN YEAR

Fall Semester		16 Credits
MATH 1300	Precalculus	4
ENGL 1100	Writing I.....	3
FYE 1022	FYE Seminar	3
ENGT 1000	Electrical Systems & Circuits.....	3
	Any PW course	3

Spring Semester		16 Credits
MATH 2300	QR course: Calculus I*	4
ENGL 1200	Writing II.....	3
CHEM 1300	SI course: General Chemistry.....	3
ENGT 1020	Engineering Graphics.....	3
ENGT 1050	Technical Analysis	3

JUNIOR YEAR

Fall Semester		16 Credits
ENGT 3000	Energy & Sustainable Practices.....	3
ENGT 3025	Engineering Design: Fab. Systems I.....	3
ENGT 3040	Metrology	4
	Any FA course	3
	Any HI course	3

Spring Semester		14 Credits
ENGT 3026	Engineering Design: Fab. Systems II.....	3
ENGT 3042	Enterprise Resource Planning Systems	4
ENGT 3110	Robotics and Mechatronics	4
	Any DP course	3

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 (CV)
 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.

SOPHMORE YEAR

Fall Semester		14 Credits
PHYS 2300	SI Course: General Physics I	4
ENGT 2000*	Fluid Mechanics & Thermodynamics	4
ENGT 2020	Statics & Dynamics	3
ENGT 1040	Software Applications in ET	3

Spring Semester		15 Credits
ENGT 2030	Materials Testing & Quality Control.....	3
ENGT 2025	Strength of Materials.....	3
	Any LI course.....	3
	PL Course (ECON 1100 or ECON 1200)*.....	3
	Any WS course	3

SENIOR YEAR

Fall Semester		16 Credits
CMGT 3030	MEP & HVAC Systems	3
CMGT 3035	OSHA: Safety & Risk Management.....	3
ENGT 4000	Quality Concepts and Lean Six Sigma	4
ENGT 4700*	AIA course: Engineering Project Management....	3
ENGT 4xxx*	AIA course: Internship.....	3

Spring Semester		13 Credits
ENGT 4903*	AIA course: Engineering Technology Capstone...	3
ENGT 4025	Industrial Systems Automation.....	4
	ER course*	3
	Any CL course.....	3

* Needs approval from governance.

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