Undeclared Engineering Technology

Semester 1
16 credits

- **EGR 102** First Year Exp. (0)
- **EGR 100** Enrichment Workshop (0)
- **MCT 110L** Tech Drawing & CAD (2)
- **EGR 103** Engineering Innovation (2)
- **SET 153L** Technical Computation (1)
- **MTH 137** Calculus I With Review 1 (4)
- **ENG 100** Writing Seminar I (3)
- **CHM 123** General Chemistry (3)
- **CHM 123L** General Chem Lab (1)

Semester 2
17-18 credits

Select classes required for intended major (4 – 5 credits)

+

ET Required (0 credit)

+

Math (4 credits)

+

Select classes to bring total number of credits to 17 or 18 for the semester depending on program (5 – 6 credits)

Electronic & Computer Engineering Technology

- **ECT 110** Electrical Circuits I (3)
- **ECT 110L** Electrical Circuits I Lab (1)

Global Mfg Sys or Mechanical Engineering Technology

- **MFG 204** Materials & Processes (3)
- **MFG 204** Materials & Proc Lab (1)
- **MFG 108L** Mfg Processes Lab (1)

Industrial Engineering Technology

- **IET 230** Work Measurement (3)
- **MFG 108L** Mfg Processes Lab (1)

EGR 100 Enrichment Workshop (0)

SET 101 Intro to Engr Tech II (0)

MTH 138 Calculus I With Review 2 (4)

REL 103 Introduction to Religion (3)

HST 103 The West & The World (3)

PHL 103 Introduction to Philosophy (3)

CMM 100 Principles of Oral Comm. (3)

KEY

- CAP Common
- CAP Electives
- Math
- Science
- ET Core
- Technical Elective
- ----- Corequisite or concurrent

See reverse for course prerequisites.

Consult academic advisor for selection of approved common academic program (CAP) and technical elective courses.

Course Prerequisites & Corequisites

Electronic & Computer Engineering Technology

Course	Prereq(s)	Coreq(s)
ECT 110		ECT 110L; MTH 137 or 168
ECT 110L		ECT 110
ECT 120	ECT 110	
ECT 206	ECT 120	ECT 206L
ECT 206L		ECT 206
ECT 224	ECT 110	ECT 224L
ECT 224L		ECT 224
ECT 306	ECT 206; MTH 138 or 168	ECT 306L
ECT 306L		ECT 306
ECT 357	ECT 224	
ECT 358	ECT 224, 361	ECT 358L
ECT 358L		ECT 358
ECT 361	SET 153L	
ECT 362	ECT 361	
ECT 400	Permission of department chairperson	
ECT 408	ECT 110L; SET 153L; MTH 138 or 168; MTH 207	
ECT 452	ECT 306, 408; MTH 138 or 168	
ECT 456	ECT 110 or EGR 203	
ECT 465	ECT 224	
ECT 466	ECT 224, 361	
ECT 490	CMM 100; ECT 306, 358, 408; IET 323	

Global Manufacturing Systems Engineering Technology

Course	Prereq(s)	Coreq(s)
MFG 108L		
MFG 204		MFG 204L
MFG 204L		MFG 204
MFG 206L	MCT 110L	
MFG 208L	MCT 110L	
MFG 240	MCT 110L; MFG 108L, 204	
MFG 400	Permission of department chairperson	
MFG 427	MFG 204; SET 153L	
MFG 431	ECT 110; SET 153L	
MFG 432	CHM 123; MFG 204	
MFG 434	MCT 110L; MFG 108L; SET 153L	
MFG 438	MFG 108L, 204	
MFG 490	CMM 100; IET 316, 323; MFG 240, 431	

Industrial Engineering Technology

Course	Prereq(s)	Coreq(s)
IET 230		
IET 316	MTH 138 or 168; MTH 207	
IET 317	MTH 137	
IET 318	MTH 138 or 168; MTH 207	
IET 319	IET 318	
IET 320	IET 318; MTH 207	
IET 321	IET 318; MTH 207	
IET 323	Junior or Senior status	
IET 332	MCT 110L	
IET 400	Permission of department chairperson	
IET 408	Junior or Senior status	
IET 415		
IET 418	MTH 137 or 168	
IET 420		
IET 423	Junior or Senior status	
IET 425	MTH 137 or 168	
IET 435	Junior or Senior status or permission of department chairperson	
IET 490	CMM 100; IET 316, 317, 323, 332, 408	

Mechanical Engineering Technology

Course	Prereq(s)	Coreq(s)
MCT 110L		
MCT 111L	MCT 110L	
MCT 220		MTH 137 or 168
MCT 221	MCT 220; MFG 204, 204L; MTH 137 or 168	
MCT 231	MTH 137 or 168	
MCT 313	MCT 110L, 220; MTH 137 or 168	
MCT 317	MCT 111L, 313; MTH 138 or 168; SET 153L	
MCT 330	MCT 111L, 221; MFG 208L	
MCT 336		MCT 336L
MCT 336L		MCT 336
MCT 342	MCT 231; MTH 138 or 168; SET 153L	
MCT 400	Permission of department chairperson	
MCT 456	MCT 220 or EGR-201	
MCT 490	CMM 100; IET 323; MCT 317, 330	

Engineering Technology

Course	Prereq(s)	Coreq(s)
SET 100		
SET 101		
SET 102	Permission of department chairperson	
SET 153L		
SET 198	Permission of department chairperson	
SET 200		
SET 298	Permission of department chairperson	
SET 300		
SET 398	Permission of department chairperson	
SET 400		
SET 498	Permission of department chairperson	

Mathematics

Course	Prereq(s)	Coreq(s)
MTH 137		
MTH 138	MTH 137	
MTH 207		

Science

Course	Prereq(s)	Coreq(s)
CHM 123		
CHM 123L		CHM 123
PHY 201		
PHY 201L		PHY 201 or 206
PHY 202	PHY 201	
PHY 202L	PHY 201L	

English

Course	Prereq(s)	Coreq(s)
ENG 100		
ENG 200	ENG 100	

Choose courses from the list provided on your DegreeWorks screen for each area. Each column must have at least one check mark to complete CAP requirements. Classes counting for multiple CAP components are needed.

HUMANITIES AREA	COURSE NUMBER	CAP COMPONENT	Social Science	Arts	Advanced PHL/REL	Advanced PHL/REL	Advanced Historical Studies	Crossing Boundaries: Faith Traditions	Crossing Boundaries: Practical Ethical Action	Crossing Boundaries: Inquiry	Crossing Boundaries: Integrative	Crossing Boundaries: Diversity / Social Justice
Social Science												
Arts												
PHL/REL												
PHL/REL (Ethics)												
History												