



Mechanical Engineering Technology (A40320) 2020-21 Curriculum

Student Name: _____
Advisor: _____
Phone: _____

Graduation Date: _____
Email: _____
Office Location: _____

Fall I							
Prefix	No	Title	Class	Lab	Clinic	Credit	Course Prerequisites
BPR	111	Print Reading	1	2	0	2	None
EGR	120	Eng & Design Graphics	2	2	0	3	None
* ISC	elective	ISC 112 online or ISC 121 traditional	2	0	0	2	None
MEC	111	Machine Processes I (MAC 141 acceptable)	1	4	0	3	None
ENG	111	Writing and Inquiry	3	0	0	3	Placement Scores
ACA	111	College Student Success (ACA 122 acceptable)	1	0	0	1	None
Total Recommended Hours			10	8	0	14	

Spring I							
Prefix	No	Title	Class	Lab	Clinic	Credit	Course Prerequisites
DFT	151	CAD I	2	3	0	3	None
ELC	111	Intro to Electricity	2	2	0	3	None
ENG	112	Writing/Research in the Disc	3	0	0	3	ENG 111
MAT	121	Algebra/Trigonometry I (MAT 171 acceptable)	2	2	0	3	Placement Scores
SOC	elective	PSY 150 or SOC 210	3	0	0	3	ENG 111
Total Recommended Hours			12	7	0	15	

Summer I							
Prefix	No	Title	Class	Lab	Clinic	Credit	Course Prerequisites
DFT	152	CAD II	2	3	0	3	DFT 151 recommended
* MEC	110	Intro to CAD/CAM	2	1	0	2	None
MEC	180	Engineering Materials	2	3	0	3	None
HUM	115	Critical Thinking	3	0	0	3	ENG 111
Total Recommended Hours			9	7	0	11	

Fall II							
Prefix	No	Title	Class	Lab	Clinic	Credit	Course Prerequisites
DFT	153	CAD III	2	3	0	3	DFT 151 & DFT 152
MAC	121	Intro to CNC	2	0	0	2	None
MEC	161	Manufacturing Processes I	3	0	0	3	Must take MEC 161A at same time
MEC	161A	Manufacturing Processes I Lab	0	3	0	1	Must take MEC 161 at same time
PHY	131	Physics - Mechanics (PHY 151 acceptable)	3	2	0	4	MAT 121 or MAT 171
Total Recommended Hours			10	8	0	13	

Spring II							
Prefix	No	Title	Class	Lab	Clinic	Credit	Course Prerequisites
ATR	281	Automated Manufacturing	3	2	0	4	None
EGR	250	Statics/Strength of Materials	4	3	0	5	MAT 121 or MAT 171
ISC	132	Manufacturing Quality Control	3	3	0	4	None
HYD	110	Hydraulics/Pneumatics I	3	2	0	3	None
Total Recommended Hours			13	10	0	16	

Total Program Hours 72

This program also offers certificates:

Mechanical Engineering Software (C4032003) - EGR 120, DFT 151, DFT 152 & DFT 153

Mechanical Fundamentals (C4032004) - DFT 151, BPR 111, ISC 132, ISC 136, & MEC 111 or MAC 141

Manufacturing Processes Fundamentals (C4032005) - MEC 161, MEC 161A, MEC 180, ISC 132, DFT 152 & DFT 153

MET Highschool Pathway (C40320H1 & H2)

* OSHA 30-HR Card only available by taking the traditional class (ISC 121)

Student should seek advice from coordinator if interested in an internship in 2nd year of program.

Students interested in transfer to ECU Bachelor's Degree in Industrial Technology should consult with Department Chair for more details within 1st year of this program to understand the process.

Advisors:

**Amy Stephenson, Department Chair of Engineering & Industrial Technologies
ABW 130A, (252) 493-7328, astephenson@email.pittcc.edu**