

**Drexel University
Engineering Technology
&
Mercer County Community College**

The Associate of Applied Science and Engineering Technology Degree in Electrical Engineering Technology requires the completion of sixty (55) credits at Mercer County Community College

Students need to earn a grade of “C” or better to transfer 55 Mercer credits, which correspond to 75.5 Drexel Quarter Credits. See chart below.

Courses Completed @ MCCC AAS.EET

Transfer Credits into Drexel ET-EET Program

<i>Course #</i>	<i>Course Description</i>	<i>Credits</i>	<i>Course #</i>	<i>Course Description</i>	<i>Credits</i>
ENG 101	English Composition I	3	ENG 101	Expository Writing & Reading	3
ENG 102	English Composition II	3	ENG 102/103	Persuasive Writing & Reading	6
PHY 101	College Physics I	4	PHYS 103	General Physics I	4
PHY 102	College Physics II	4	PHYS 104	General Physics II	4
CHE 101	General Chemistry I	4	CHEM 111/113	Chemistry I/Chemistry Lab I	5.5
MAT 146	Pre-Calculus	4	MATH 110	Pre-Calculus	3
MAT 151	Calculus I	4	MATH 121	Calculus I	4
EET 140	Electronic Construction	2	XXX	Free Elective Credit	3
EET 138	Introduction to Electronics I	4	EET 201	Circuit Analysis I	4
EET 139	Introduction to Electronics II	4	EET 202	Circuit Analysis II	4
EET 215	Fiber Optics	4	XXX	Free Elective Credit	6
EET 219	Electronic Networks	4	EET 206	Analog Electronics I	4
EET 230	Linear Integrated Circuits	4	EET 317	Analog Electronics II	4
EET 251	Digital Circuits Fundamentals	4	EET 205	Digital Electronics	4
EET 263	Intro to Microprocessors	4	EET 325	Microprocessors	3
ECO 112	Microeconomics	3	ECON 201	Microeconomics	4
			XXX	Free Elective Credit (inc EET 102)	8.5
			XXX	Hum & SS Elective Credits	1.5
Total Credits		55	Total Credits		75.5

Additional Courses that can be completed at Mercer

<i>Course #</i>	<i>Course Description</i>	<i>Credits</i>	<i>Course #</i>	<i>Course Description</i>	<i>Credits</i>
MAT 152	Calculus II	4	MATH 122	Calculus II	4
DRA 190/CIV 102	Intro to CAD/Surveying II	3	MET 100	Graphical Communication	3
CMN 111/112	Speech: Human Com/Public Speaking	3	COM 111	Principles of Communication	3
CMN 122	Organizational Communication	3	COM 230	Principles of Speech	3
CIV 223	Fluid Power	3	MET 209	Fluid Power	3
CIV 237	Mechanics of Materials Fund	3	MET 101	Manufacturing Materials	3
CIV 104/106	Applied Mechanics/Mechanics		MET 213	Applied Mechanics	4
CIS 112	Introduction to PC Business Applications	3	CS 161	Introduction to Computers	3
	TOTAL	22		TOTAL	26

Remaining Courses to be completed at Drexel University

Total Credit Requirement: 187.5

Transfer Credits from Mercer: 75.5

Remaining Credits: 112

<i>Course #</i>	<i>Course Description</i>	<i>Credits</i>	<i>Prerequisites</i>
MATH 122	Calculus II	4	
HIST 285	Tech Historical Perspectives	3	
PHIL 315	Engineering Ethics	3	Pre-JR standing
COM 111	Principles of Communication	3	
COM 230	Principles of Speech	3	
CS 161	Introduction to Computers	3	MATH 121
STAT 201	Statistics I	4	MATH 121
HSSE	Humanities and Social Sciences Elective	9	
INDE 240	Technology Economics	3	
INDE 370	Industrial Project Management	3	
EET 203	NDE of Materials	4	PHYS 103 & PHYS 104
EET 204	Intro to Nanotechnology	3	CHEM 111/113
EET 311	Modeling of Engineering Systems	4	MATH 122
EET 313	Signal and Systems I	4	EET 311
EET 319	Programmable Logic	4	EET 205
EET 322	Energy Conversion	4	EET 202
EET 323	Electrical Systems Design	3	EET 202
EET 324	Power Electronics	4	EET 202
EET 401	Microcontroller with lab	3	EET 205
MHT 205	Thermodynamics 1	3	PHYS 103 & MATH 122
MHT 226	Measurement Lab	3	PHYS 103 & PHYS 104 & MATH 122
Technical Electives	Department Approval	6	
MET 100	Graphical Communication	3	
MET 101	Manufacturing Materials	4	CHEM 111 & CHEM 113
MET 204	Quality Control	3	
MET 209	Fluid Power	3	
MET 205	Robotics & Mechatronics	3	PHYS 103 & MATH 110
MET 213	Applied Mechanics	4	MET 101 & PHYS 103 & MATH 122
MET 421	Senior Design Project 1	3	SR standing
MET 422	Senior Design Project 2	3	SR standing
MET 423	Senior Design Project 3	3	SR standing

Total Credits 112