

Southeast Missouri State University

Associate of Applied Science–Industrial Technology - Electrical Years 1 and 2 at Metropolitan Community College

General Education Requirements		Credits
ENGL 101	Composition and Reading I	3
SPDR 100	Fundamentals of Speech	3
HIST 120	American History I <i>or</i>	3
HIST 121	American History II	
MATH 120	College Algebra	3
MATH 130	Trigonometry	3
CHEM 105	Introductory Chemistry for Health Sciences	5
Specialized Core Courses		
INTE 110	Industrial Electrical Principles	3
INTE 115	Blueprint Reading, Electrical	3
INTE 142	National Electrical Code	3
INTE 175	Electric Motor Controls I	3
INTE 271	Programmable Logic Controllers	3
INTE 273	Variable Speed Drives and Controls	3
INTE 275	Electric Motor Controls II	3
INTE 276	Electrical Troubleshooting	4
PHYS 130	General Physics	5
CSIS 110	Technology and Information Management	3
EHSS 100	Introduction to EHSS	3
Electives in CHEM, CSIS, INTE, PHYS to total 65-67 for degree		
Total Credits Required		64

Industrial and Engineering Technology

Bachelor of Science in Industrial and Engineering Technology Emphasis in Industrial Electrical Years 3 and 4 at SEMO

General Education Requirements		Credits
Political Science Course ¹		3
EN 140	Rhetoric and Critical Thinking	3
MA 139	Applied Calculus	3
UI 315	Science and Technology	3
Behavioral Systems		3
Social Systems		3
Living Systems		3
Economic Systems		3
Literary Expression		3
Artistic Expression		3
WP 003	Writing Proficiency Test	0
IM 211	Industrial Safety	3
IM 311	Statistical Process Control	3
IM 102	Technical Communications	3
UI 410	Manufacturing Research	3
UI 3XX	University Studies	3
Major Electives		18
Total Credits Required		124

¹ Equivalent courses may be available at MCC that will transfer. Please see an advisor for more information.