

# MID-STATE TECHNICAL COLLEGE AUTOMATION & INSTRUMENTATION TECHNOLOGY TO SOUTHERN ILLINOIS UNIVERSITY B.S. TECHNICAL RESOURCE MANAGEMENT TRANSFER GUIDE

## Mid-State Technical College General Education Courses

Mid-State Catalog Number	Mid-State Course Name	University Catalog Number	University Course Name	Credits
10-801-136	English Composition 1	ENGL 101	English Composition 1	3
10-801-196 OR 10-801-198	Oral/Interpersonal Communication OR Speech <i>Recommended course</i>	GENL 1XX OR CMST 101	General Elective OR Intro to Oral Communication	3
10-804-118	Intermediate Algebra with Applications	<b>GENL 1XX</b>	General Elective	4
10-804-196	Trigonometry with Applications	MATH 109	Trigonometry and Analytic Geometry	3
10-809-198 OR 10-809-188	Introduction to Psychology <i>Recommended course</i> OR Developmental Psychology	PSYC 102 OR GENL 1XX	Intro to Psychology OR General Elective	3
10-809-166 OR 10-809-122	Introduction to Ethics: Theory and Application OR Introduction to American Government <i>Recommended course</i>	PHILS 104 OR POLS 114	Ethics OR Introduction to American Government	3

## Mid-State Technical College Program Courses

Mid-State Catalog Number	Mid-State Course Name	University Catalog Number	University Course Name	Credits
10-462-107	Industrial Safety	GENL 1XX	General elective	2
10-462-131	Industrial Electric Power Applications	GENL 1XX	General elective	2
10-462-133	Electric Controls for Industrial Automation	GENL 1XX	General elective	3
10-605-105	Electrical Circuits I	GENL 1XX	General elective	3
10-605-109	Process Measurements Instrumentation	GENL 1XX	General elective	2
10-605-110	Electrical Circuits II	GENL 1XX	General elective	3
10-605-112	Process Documentation	GENL 1XX	General elective	1
10-605-117	Automation 1-Beginning PLC	GENL 1XX	General elective	3
10-605-118	Automation 2-Advanced PLC	GENL 1XX	General elective	3
10-605-119	Automation 3-HMI's & Robotics	GENL 1XX	General elective	2
10-605-121	Process Control Strategies	GENL 1XX	General elective	2
10-605-131	Process Equipment	GENL 1XX	General elective	2
10-605-133	Process Troubleshooting Strategies	GENL 1XX	General elective	1
10-605-145	Industrial Networking	GENL 1XX	General elective	2
10-605-169	Instrumentation Principles	GENL 1XX	General elective	3
10-605-172	Process Systems	GENL 1XX	General elective	2
10-607-106	Excel for Engineering	GENL 1XX	General elective	1
10-664-128	AutoCAD Electrical	GENL 1XX	General elective	2

## Remaining Courses to Complete at Southern Illinois University

University Catalog Number	University Course Name	Credits
Humanities	Choose from course list	3
Physical Science	Choose from course list	3
Life Science	Choose from course list	3
Fine Arts	Choose from course list	3
Multicultural	Choose from course list	3
TRM 316	Applications of Technical Writing	3
TRM 364	Work Center Management	3
TRM 383	Data Applications & Interpretation	3
TRM 425	Operations Management	3
TRM 464	Managing for Quality	3
TRM 470	Project Management	3
TRM Support Courses	Select 2 from: TRM 332, TRM 361, TRM 362, TRM 363E, TRM 421, TRM 440	6
Approved Electives	300/400 Level	15
TRM 319 OR TRM 320 OR TRM 350 OR TRM 358	As necessary to meet 42 senior institution hour requirement	3
GENL 1XX	As needed to reach 120 hours	2

Total Credits Completed at Southern Illinois University

59

## Additional Information

- Each candidate for a bachelor's degree must complete the requirements listed:
  - Hour Requirements: Student must complete at least 120 semester hours of credit. Each student must have at least 42 hours in courses that number 300 or above from a four-year institution.
  - Residence Requirements: Student must complete the residency requirement by taking a total of 42 semester hours at SIU Carbondale.
  - Grade Point Average Requirements: Student must have a C average for all work taken at SIU Carbondale. Some academic programs may require a higher graduating major GPA.