



NICOLET COLLEGE

Nicolet Program:
UW Platteville Program:
GPA Required:

A.A.S. Electromechanical Technology
 B.S. Industrial Technology Management
 2.0

TRANSFER GUIDE

General Education Courses

NICOLET COURSE		UW PLATTEVILLE EQUIVALENCY	
10-801-195 Written Communication OR 20-801-219 English Composition 1	3	ENGL 1130 College Writing (EC)	3
10-804-134 Math Reasoning (3) OR 20-804-220 Intermediate Algebra (4)	3-4	Math Elective	3-4
10-806-139 Survey of Physics (3) OR 10-806-154 General Physics 1 (4) 20-806-276 College Physics (4)	3-4	Physics Elective (NATSC) or Physics 1350 Introductory Physics I (NATSC) or Physics 1350 Introductory Physics I (NATSC)	3-4
10-809-166 Intro to Ethics: Theory and Application OR 20-809-225 Ethics	3	PHLSPHY 2530 Ethics (HUM)	3
10-801-196 Oral Interpersonal Communication OR 20-810-201 Fundamentals of Speech	3	SPEECH 3250 Interpersonal Comm (SPEECH) or SPEECH 1010 Oral Comm for Prof (SPEECH)	3
10-809-199 Psychology of Human Relations OR 20-809-251 Introduction to Psychology	3	PSYCH 2030 Positive Psychology (SOCSC) or PSYCH 1130 General Psychology (SOCSC)	3
Total general education credits earned:	18-20	Total general education credits accepted:	18-20

Occupational Courses

NICOLET COURSE		UW PLATTEVILLE EQUIVALENCY	
10-103-115 MS Word Beginning	1	12 credits of 1000T Industrial Studies credits and 15 credits of 3000T Industrial Studies credits will be applied to the Industrial Technology Management (ITM) major.	
10-103-126 MS Excel Beginning	1		
10-449-100 Industrial Safety Fundamentals	2		
10-150-110 Networking Standards and Practices	1		
10-150-113 Network Topology and Devices	1		
10-150-116 Configure Network Devices	1		
10-462-115 Basic Electrical Circuits	1		
10-462-117 Inductance and Capacitance	1		
10-462-119 Analyze Transformers	1		
10-462-121 Mechanical Drive Systems	1		
10-462-124 Belt and Chain Drives	1		
10-462-186 Tag System Used in Process Control	1		
10-462-188 Loop Controller and Control Elements	1		
10-462-192 Sensors to Measure Liquid Level	1		
10-620-102 Hydraulic and Pneumatic Operation	1		

10-620-106	Ladder Logic Elements and Control Logic	1	The Technical Minor requirement will be waived.	
10-620-109	Analyze Directional Control Valves	1		
10-620-112	PLC Fundamentals and Basic Instructions	1		
10-620-116	Analyze the Use of Oscilloscopes	1		
10-620-118	Analyze Sensing Devices and Op Amps	1		
10-620-120	Analyze SSRs and Switching Circuits	1		
10-620-123	Three Phase Electric Motor Control	1		
10-620-125	Investigate Troubleshooting Methods	1		
10-620-127	Troubleshooting Common Motor Circuits	1		
10-620-129	PLC Timers Counters and Program Controls	1		
10-620-330	PLC Sequencing and Data Function Blocks	1		
10-620-137	Basic Robot Assemblies and Operations	1		
10-620-139	Robot Programming and Instructions	1		
10-620-143	Analyze Robot Frames and Branching	1		
10-620-147	HMI Screen Development and Editing	1		
10-620-149	Investigate PLC Troubleshooting	1		
10-620-152	Analyze PLC Analog Inputs	1		
10-620-154	Analyze PLC Analog Outputs	1		
10-620-158	Analyze PLC Variable Output Applications	1		
10-620-163	Analyze Automated System	1		
10-620-167	Integrate Automated Systems	1		
10-620-169	Motor Control Starting and Braking	1		
10-620-172	Analyze Motor Control Speed and Torque	1		
10-620-176	Analyze Motion Control Software	1		
10-620-178	Configure Motion Control Systems	1		
10-620-180	Design Motion Control Projects	1		
10-442-140	Intro to Welding Techniques	1		
Total occupational credits earned:		43	Total occupational credits accepted:	27
Total credits earned:		61-63	Total credits transferred:	45-47

Remaining Courses Required to earn B.S. in Industrial Technology Management at UW Platteville:

General Education:	
English 1230 College Writing II	3
Foreign Language Competency	0-4
Wellness (WELL)	1
Physical Activity (PA)	1
Fine Arts (FINA)	3
Historical Perspectives (HISTP)	3
Social Sciences (SOCSC) <i>Non PSYCH</i>	3
International Education (INT ED)	0-3
Ethnic and Gender Studies	0-6

Required Major Courses:	
INDUSTDY 1010 Principles of Safety and Risk Management	3
INDUSTDY 4980 Training and Supervision	3
INDUSTDY 4680 Mfg Technology Management Internship or INDUSTDY 4690 Occupational Safety Management Internship	3
CHEM 1050 Survey of General Chemistry (NATSC)	5
Mathematics Requirement	6-9
*Manufacturing Technology Management Emphasis (33 credits) OR **Occupational Safety Management Emphasis (45 credits)	33-45
	67-95

*Manufacturing Technology Management Emphasis Courses	
<i>Required Professional Concentration Courses:</i>	
INDUSTDY 1030 Introduction to Manufacturing	3
INDUSTDY 3460 3D Industrial Production Drafting or INDUSTDY 4480 Industrial Robotics	3
INDUSTDY 4900 Work Measurement and Human Factors	3
INDUSTDY 4940 Quality Assurance	3
INDUSTDY 4950 Production Planning and Control	3
<i>Required Technical Core Courses:</i>	
COMPUTER 1130 Introduction to Programming or COMPUTER 1830 Microcomputer Applications	3
INDUSTDY 1200 AC/DC Fundamentals	3
INDUSTDY 1230 Technical Drafting	3
INDUSTDY 1530 Power Systems Technology	3
INDUSTDY 1830 Intro to Plastics Processing	3
INDUSTDY 3050 Intro to Metals Processes	3
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**Occupational Safety Management Emphasis Courses	
<i>Required Professional Concentration Courses:</i>	
INDUSTDY 1030 Introduction to Manufacturing	3
INDUSTDY 1230 Technical Drafting or INDUSTDY 1260 Construction Drafting	3
<i>Required Safety Concentration Courses:</i>	
INDUSTDY 3130 General Industry OSHA 30 Hour	3
INDUSTDY 3180 Construction Safety Management	3
INDUSTDY 3590 Industrial Hygiene and PPE	3
INDUSTDY 4710 Hazard Control Solutions	3
INDUSTDY 4750 Disaster Preparedness	3
INDUSTDY 4760 Technical Certifications	3
INDUSTDY 4770 Loss Control Safety Management	3
INDUSTDY 4880 Fire Protection and Environmental Safety	3
<i>Technology Lab Classes (choose four courses from the following):</i>	12
INDUSTDY 1130 Wood Technology	
INDUSTDY 1200 AC/DC Fundamentals	
INDUSTDY 1530 Power Systems Technology	
INDUSTDY 1830 Intro to Plastics Processing	
INDUSTDY 3050 Intro to Metals Processes	
INDUSTDY 4480 Industrial Robotics	
<i>Technical Electives (choose one course from the following):</i>	3
BUSADMIN 2330 Leadership and Management	
BUSADMIN 3030 Human Resource Management	
INDUSTDY 3570 Fleet Safety Management	
INDUSTDY 4720 Seminar in Safety	
INDUSTDY 4900 Work Measurement and Human Factors	
INDUSTDY 4940 Quality Assurance	
INDUSTDY 4950 Production Planning and Control	
INDUSTDY 4690 Occupational Safety Mgt Internship	
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Industrial Technology Management

The Industrial Technology Management programs are accredited by the Association of Technology, Management, and Applied Engineering. Industrial Technology Management is a hands-on, applied engineering, management degree. Students are required to select at least one emphasis as a part of this major:

- The Manufacturing Technology Management Emphasis prepares graduates to enter industry in technical, engineering, managerial and staff positions in the areas of production, manufacturing, design, technical sales and services, and quality assurance.
- The Occupational Safety Management Emphasis prepares graduates to enter manufacturing, construction, business, consulting agencies, insurance companies and government agencies in management and engineering positions.

Students planning to transfer should work closely with their Nicolet College Success Coach and transfer personnel at UW Platteville for the most current information.