



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

NTC Program: Electromechanical Technology

Marian University: Technology Education

Minimum GPA: 2.75

Initial Effective Date: Spring, 2018

Four Year Academic Plan

1st Semester at NTC			2nd Semester at NTC		
Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-612-120	Fluid Power Systems 1: Fundamentals	1	10-620-151	Machine Control 1: Ladder Logic Fundamentals	1
10-612-121	Fluid Power Systems 2: Fundamentals of Pneumatics	1	10-620-152	Machine Control 2: Motor and Actuator Control	1
10-612-122	Fluid Power Systems 3: Design & Maintenance	1	10-620-153	Machine Control 3: Sensors and Machine Safety	1
10-620-172	Industry Workplace Safety	1	10-620-157	Mechanical Systems 1: Basic Machine Operations	1
10-623-200	Interpreting Engineering Drawings	1	10-620-158	Mechanical Systems 2: Power Transmission Systems	1
10-660-118	Electrical Fabrication	1	10-620-159	Industrial Motors 1: Electric Motors	1
10-620-171	AutoCAD for Technicians	1	10-606-133	Solidworks 1	1
10-660-121	Intro to Microcontrollers	1	10-660-125	Industrial Electronics Tech 3- Electronic Circuits and Devices	1
10-660-123	Industrial Electronics Tech 1- Direct Current Ele Characteristics	1	10-660-126	Industrial Electronics Tech 4- Electrical Systems	1
10-660-124	Industrial Electronics Tech 2- Alternating Current Ele Characteristics	1	10-806-144	College Physics 2	3
10-804-195	College Algebra w/Apps <u>OR</u>	3 to 4	10-801-195	Written Communication <u>OR</u>	3
10-804-118	Intermediate Algebra w/Apps		10-801-136	English Composition 1	
10-806-154	General Physics 1	4			
	Total credits	17-18		Total credits	15

Summer Semester		
Course No.	Course Title	Credits
10-801-196	Oral/Interpersonal Communication (CURRENT THIRD)	3
10-809-198	Intro to Psychology <u>OR</u> (CURRENT SECOND SEM)	3
10-809-199	Psychology of Human Relations	
	Total credits	6

- 41 [Prog. Credits](#)
- 8 [Broadbased](#)
- 19-20 [General Studies](#)
- 61 [Marian/NTC classes](#)
- 129-130

3rd Semester at NTC			4th Semester at NTC		
Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-420-101	Introduction to Machine Shop	2	10-442-101	Introduction to Welding	2
10-620-154	Robot Applications 1: Fundamentals of Robotic Control	1	10-620-145	Electromechanical Projects	3
10-620-155	Robotic Applications 2: Robotic System Components & Software	1	10-620-167	PLC 4: Advanced Instructions and Programming	1
10-620-156	Robotic Applications 3: Automated Robot Control Systems Interfacing	1	10-620-168	PLC 5: Industrial Networking	1
10-620-160	Industrial Motors 2: DC/AC Variable Speed Motor Drives	1	10-620-169	PLC 6: PLC, PAC and PC Automation Integration	1
10-620-161	Servo Systems 1: Fundamentals of Position Control	1	10-809-172	Intro to Diversity OR	3
10-620-162	Servo Systems 2: Components and Systems	1	10-809-196	Intro to Sociology	
10-620-163	Servo Systems 3: Automated Position Control System Interfacing	1			
10-620-164	PLC 1: Fundamentals and Bit Based Instructions	1			
10-620-165	PLC 2: Timers, Counters and Program Control	1			
10-620-166	PLC 3: Data, Math, Sequencer and Shift Instructions	1			
10-660-127	Industrial Electronics Tech 5- Advanced Electrical Characteristics	1			
10-660-128	Industrial Electronics Tech 6- Advanced Digital Concepts	1			
EDU101	Intro to Education *	3	EDU202	Psychology of Learning*	3
	Total credits	17		Total credits	14

* Prerequisite for 5th semester classes

5th Semester at Marian			6th Semester at Marian		
Course No.	Course Title	Credits	Course No.	Course Title	Credits
EDU290	Intro to Clinical Practice	3	SEC360	Principles of Curr and Assessment in Tech Ed	3
SPE313	Educating Exceptional Children	3	SEC460	Methods of Teaching Tech Education	3
EDU301	Intercultural Studies for Educators	3	10-809-166	Intro to Ethics: Theory and Application (NTC class)	3
10-801-155	English Comp 2	3	ENG112	Intro to Literary Genres	3
THE101	Intro to Christian Theology	3	POS 205	American Government	3
	Total credits	15		Total credits	15

7th Semester at Marian			8th Semester at Marian			
Course No.	Course Title	Credits	Course No.	Course Title	Credits	
SEC310	Academic Literacy	3	EDU490	Clinical Practice Seminar	1	
EDU390	Preclinical Practice	3	EDU498	Clinical Practice	12	
ART230	Survey of Art History 1 <u>OR</u>	3				
MUS203	Jazz Survey					
HIS102	World Civilizations 2	3				
	Total credits	12		Total credits	13	
					TOTAL CREDITS	132

Marian class while at NTC

NTC class while at Marian

Broadfield Courses

*These courses need to be completed for the Marion Technology Education program. Please work with your advisor on a personalized plan.

Course Title	Course No.	Credits
Auto Service Fundamentals	10-602-107	2
**Revit for Architectural Design	10-614-127	2
Biotechnology	10-806-130	2
Photoshop	10-204-126	2
**Must be taken fall semester		8

ENG COMP	NTC 155	3
PHIL		3
LIT	MU	3
ART	MU	3
HIS	MU	3
POS		3
THE	MU	3
EDUC	MU	40
		61

Updated on: 08/15/18