



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

NTC Program: ELECTROMECHANICAL

UW-Green Bay Program: Electrical Engineering Technology

Minimum GPA for admission:

Initial effective date: August 1, 2016

Four Year Academic Plan

1st Semester at NTC			2nd Semester at NTC		
Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-103-225	Excel 2013 Level 1	1	10-605-170	Digital Electronics 1: Logic Fundamentals	1
10-103-226	Word 2013 Level 1	1	10-605-171	Digital Electronics 2: Seq Logic & Oper Amplifiers	1
10-612-120	Fluid Power Systems 1: Fundamentals	1	10-605-172	Electronic Devices and Circuits 1	1
10-612-121	Fluid Power Systems 2: Fund of Pneumatics	1	10-605-173	Electronic Devices and Circuits 2	1
10-612-122	Fluid Power Systems 3: Design and Maintenance	1	10-620-151	Machine Control 1: Ladder Logic Fundamentals	1
10-620-172	Industry Workplace Safety	1	10-620-152	Machine Control 2: Motor and Actuator Control	1
10-623-179	Interpreting Engineering Drawings	2	10-620-153	Machine Control 3: Sensors and Machine Safety	1
10-660-112	DC 1: Electrical Circuit Fundamentals	1	10-620-157	Mechanical Systems 1: Basic Machine Component	1
10-660-113	DC 2: Basic Circuit Analysis	1	10-620-158	Mechanical Systems 2: Power Transmission System	1
10-660-116	AC 1: Circuit Fundamentals	1	10-620-159	Industrial Motors 1: Electric Motors and Generators	1
10-660-117	AC 2: Circuit Analysis	1	10-620-170	Intro to Solidworks CADD	1
10-660-118	Electrical Fabrication	1	10-620-171	Autocad for Technicians	1
10-804-195	College Algebra with Apps OR	3 to 4	10-660-121	Intro to Microcontrollers	1
10-804-118	Intermediate Algebra with Apps		10-660-122	Electrical systems	1
10-806-143	College Physics 1	3	10-806-144	College Physics 2	3
	Total credits	19-20		Total credits	17
3rd Semester at NTC			4th Semester at NTC		
Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-420-101	Intro to Machine Shop	2	10-442-101	Intro to Welding	2
10-620-154	Robot App 1: Fundamentals of Robotic Control	1	10-620-145	Electromechanical Projects	3
10-620-155	Robot App 2: Robotic System Comp & Software	1	10-620-167	PLC 4: Industrial Networking	1
10-620-156	Robot App 3: Automated Robot Cont Sys Interfacing	1	10-620-168	PLC 5: Advanced Instructions and Programming	1
10-620-160	Industrial Motors 2: DC/AC Var Speed Motor Dr	1	10-620-169	PLC 6: PLC and Automation Integration	1
10-620-161	Servo Sys 1: Fund of Position Control	1	10-801-195	Written Communication OR	3
10-620-162	Servo Sys 2: Components & Systems	1	10-801-136	English Composition I	

10-620-163	Servo Sys 3: Auto Pos Control Sys Interfacing	1	10-809-195	Economics OR	3
10-620-164	PLC 1: PLC Ladder Logic & BIT based Instr	1	10-809-196	Intro to Sociology	
10-620-165	PLC 2: Timers, Counters, & Intro to HMI	1	10-809-198	Intro to Psychology OR	3
10-620-166	PLC 3: Data & Word based Instructions	1	10-809-199	Psychology of Human Relations	
10-801-196	Oral/Interpersonal Communication	3			
	Total credits	15		Total credits	17
				Total transfer credits from NTC	68-69

5th Semester at UW-Green Bay			6th Semester at UW-Green Bay		
Course No.	Course Title	Credits	Course No.	Course Title	Credits
Math 104	Elementary Functions*	4	MATH 202	Calculus 1	4
ET 142	Intro. To Programming	3	ET 232	Semiconductor Devices	3
ET 233	Linear Circuits	3	ET344	Industrial Electronics and Control	3
ET 342	Supervisory control and Data Acquisition	3	ET 360	Project Management	3
	General Education course	3	ENG 105	English Composition	3
	Total credits	16		Total credits	16

7th Semester at UW-Green Bay			8th Semester at UW-Green Bay		
Course No.	Course Title	Credits	Course No.	Course Title	Credits
MATH 203	Calculus 11	4	ET 346	Electric Power Systems	3
ET 400	Internship	3	ET 390	Mechatronics	4
	General Education Course	3		General Education Course	4
	General Education Course	3		General Education Course	3
	General Education Course	3		General Education Course	3
	Total credits	16		Total credits	17
				Total credits needed to complete associate degree	68-69
				Total transfer credits to UW-Green Bay	68
				Total credits needed to complete at UW-Green Bay	65
				Total credits needed for degree completion	133

* This load may be reduced in the last year by completing Calculus 1 and 2 at NTC or Taking Calculus 2 in the summer at UWGB. General Education classes are also offered on-line in the summer and in the 3 week January interim semester. Fewer courses in Fall of the 3rd year would give more time for the internship. The internship may also be completed in the summer.

Disclaimer: Students planning to transfer should contact NTC's Transfer Specialist and transfer personnel at UW-GB for the most current transfer information.

Updated on: 08/17/17