



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

NTC Program: ELECTROMECHANICAL

UW-Stout Program: Engineering Technology Electrical

Minimum GPA for admission: 2.0, Cumulative GPA of 2.5 required for graduation

Initial effective date: September 2017

General Education Courses

NTC			UW-Stout		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-804-195	College Algebra with Apps (3 cr.) <u>OR</u>	3	MATH 120	Credits do not apply to ET major	
10-804-118	Intermediate Algebra with Apps (4 cr.)		MATH 110	Credits do not apply to ET major	
10-806-143	College Physics 1	3	PHYS 211&212	Credits do not apply to ET major	
10-806-144	College Physics 2	3	PHYS GXX	Credits do not apply to ET major	
10-801-196	Oral/Interpersonal Comm	3	COMST 100	Fundamentals of Speech	3
10-801-195	Written Communication <u>OR</u>	3	ENGL 101	Composition 1	3
10-801-136	English Composition 1				
10-809-195	Economics <u>OR</u>	3	ECON 201	General Economics	3
10-809-196	Intro to Sociology		SOC 110	Introductory Sociology	
10-809-198	Intro to Psychology <u>OR</u>	3	PSYC 110	General Psychology	3
10-809-199	Psychology of Human Relations		PSYC GXX	Psychology Electives	
Total general education credits earned:		21			
Total transferable general education credits:		12	15	Total general education credits accepted:	12

Occupational Courses

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-103-242	Excel 2016 Level 1	1		Not Transferable	
10-103-243	Word 2016 Level 1	1		Not Transferable	
10-605-170	Digital Electronics 1: Logic Fundamentals	1	ET 271	Digital Logic and Switching	3
10-605-171	Digital Electronics 2: Seq Logic & Op Amplifiers	1			
10-660-121	Intro to Microcontrollers	1			
10-612-120	Fluid Power Systems 1: Fundamentals	1	ETECH 260	Intro to Fluid Power	2
10-612-121	Fluid Power Systems 2: Fundamentals of Pneumatics	1	ETECH XXX	Engineering & Technology Elective	1
10-612-122	Fluid Power Systems 3: Design & Maintenance	1			
10-660-112	DC 1: Electrical Circuit Fundamentals	1	ET 204	Electricity and Electronic Fundamentals	3
10-660-113	DC 2: Basic Circuit Analysis	1			
10-660-118	Electrical Fabrication	1			

10-620-171	AutoCAD for Technicians	1			
10-620-170	Intro to Solidworks CADD	1	ETECH 112	Engineering Graphics Fundaments	3
10-623-179	Interpreting Engineering Drawings	2	RC 381	Prin of Occupational Risk Control/Safety	2
10-620-172	Industry Workplace Safety	1			
10-605-172	Electronic Devices & Circuits 1	1			
10-605-173	Electronic Devices & Circuits 2	1	ET 272	Solid State Electronics	3
10-620-163	Servo Sys 3: Auto Pos Control Sys Interfacing	1			
10-620-151	Machine Control 1: Ladder Logic Fund	1	ET XXX	Engineering Technology Elective	1
10-620-152	Machine Control 2: Motor & Actuator Control	1	ET XXX	Engineering Technology Elective	1
10-620-153	Machine Control 3: Sensors & Machine Safety	1	ET XXX	Engineering Technology Elective	1
10-620-157	Mechanical Systems 1: Basic Machine Comp	1	ET XXX	Engineering Technology Elective	1
10-620-158	Mechanical Systems 2: Power Trans Systems	1	ET XXX	Engineering Technology Elective	1
10-620-159	Industrial Motors 1: Elecctric Motors & Generators	1			
10-620-160	Industrial Motors 2: DC/AC Var Speed Motor Dr	1	ET 340	Electric Motors and Generators	2
10-660-116	AC 1: Circuit Fundamentals	1			
10-660-117	AC 2: Circuit Analysis	1	ET 260	Electrical Circuits	3
10-660-122	Electrical Systems	1			
10-420-101	Intro to Machine Shop	2	ET XXX	Engineering Technology Elective	2
10-620-154	Robot App 1: Fundamentals of Robotic Control	1			
10-620-155	Robot App 2: Robotic System Comp & Software	1	ET 405	Industrial Robotics; Core Selectives	3
10-620-156	Robo App 3: Automated Robot Cont Sys Interfacing	1			
10-620-161	Servo Sys 1: Fund of Position Control	1	ET XXX	Engineering Technology Elective	1
10-620-162	Servo Sys 2: Components & Systems	1	ET XXX	Engineering Technology Elective	1
10-620-164	PLC 1: PLC Fudamentals And Bit Basd Instruction	1			
10-620-165	PLC 2: Timers, Counters, And Program Control	1	ET 341	Electrical & Mechanical Interface Devices	2
10-620-166	PLC 3: Data, Math, Sequencer And Shift Instructions	1	ET XXX	Engineering Technology Elective	1
10-620-167	PLC 4: Advanced Instructions	1	ET XXX	Engineering Technology Elective	1
10-442-101	Intro to Welding	2	ET XXX	Engineering Technology Elective	2
10-620-145	Electromechanical Projects	3	ET XXX	Engineering Technolgy Elective	3
10-620-168	PLC 5: Industrial Networking	1	ET XXX	Engineering Technology Elective	1
10-620-169	PLC6: PLC, PAC And PC Automation Integration	1	ET XXX	Engineering Technology Elective	1
	Total occupational course credits earned:	47		Total occupational course credits accepted:	42
	Total credits required for graduation:	68		UWS total credits required for graduation	121
	Total transferable credits:	42		Total credits accepted at UW-Stout:	42

Courses needed to complete degree at UW-Stout:

Additional courses to take at NTC to transfer:

10-801-155 English Composition II

10-804-198 Calculus

10-809-166 Intro to Ethics

10-809-172 Intro to Diversity

10-101-111 Accounting 1

10-104-172 Marketing Principles

10-801-197 Technical Reporting

10-196-190 Leadership Development

10-804-189 Introductory Statistics

Total additional credits to take to transfer to UW-Stout:

Course No.	Course Title	Credits	
3	ENGL 102 Composition 2	3	
4	MATH 153 Calculus I	4	
	PHYS 241 College Physics I	5	
	PHYS 242 College Physics II	5	
3		Arts & Humanities	6
3		Contemporary Issues	3
		Social Responsibility & Ethical Reasoning	3
4	BUAT 200/201/206 Accounting	2 to 3	
3	BUMKG 330 Principles of Marketing	3	
3	ENGL 320 Professional & Technical Communications	3	
	ET 100 Intro to Engineering Technology	1	
	INMGT 200 Production & Operations Management	3	
3	INMGT 400 Organizational Leadership	3	
	ETECH 150 Introduction to Engineering Materials	3	
	ETECH 205 Design for Industry	3	
3	STAT 130 Elementary Statistics	2	
	CHEM 135 College Chemistry	5	
	CS 144 Computer Science I	4	
29	CS 145 Computer Science II	4	
	ET 274 Fund of Microprocessors & Microcomputer Systems	3	
	ET 290 Mechanics of Solids I	3	
	ET 349 Cooperative Education Experience	1	
	ET 382 Electronic Communications	3	
	ET 405 Capstone I: Design Practicum	3	
	ET 449 Cooperative Education Experience	1	
	Total credits needed at UW-Stout to complete degree:	78-79	

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

Updated on: 11/13/17