



Northcentral
TECHNICAL COLLEGE

TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

NTC Program: ELECTROMECHANICAL

Siena Heights University Program: Bachelor of Applied Science

Minimum GPA for admission: 2.0

Initial effective date: Fall semester, 2023

General Education Courses

NTC			Siena Heights University (SHU)		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-804-195	College Algebra with Apps (3 cr.) <u>OR</u>	3 or 4		Courses passed with a C (2.0) or better will transfer "D" grade may be considered within an Associate degree and transferred as a block credit for core courses.	23-24
10-804-118	Intermediate Algebra with Apps (4 cr.)				
10-806-154	General Physics 1	4			
10-806-144	College Physics 2	3			
10-801-196	Oral/Interpersonal Communication	3			
10-801-195	Written Communication <u>OR</u>	3			
10-801-136	English Composition 1				
10-809-172	Intro to Diversity <u>OR</u>	3			
10-809-196	Intro to Sociology				
10-809-198	Intro to Psychology <u>OR</u>	3			
10-809-199	Psychology of Human Relations				
10-890-165	College 101	1			
Total general education credits earned:		23-24			
Total transferable general education credits:		23-24	Total general education credits accepted:		23-24

Occupational Courses

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-660-118	Electrical Fabrication	1			
10-612-120	Fluid Power Systems 1: Fundamentals	1			
10-612-121	Fluid Power Systems 2: Fundamentals of Pneumatics	1			
10-620-172	Industry Workplace Safety	1			
10-660-123	Industrial Ele Tech 1- Direct Current Ele Characteristics	1			
10-660-124	Industrial Ele Tech 2- Alternating Current Ele Characteristics	1			
10-620-171	AutoCAD for Technicians <u>OR</u>	1			
10-664-101	AutoCAD Electrical				
10-606-133	Solidworks 1	1			
10-660-121	Intro to Microcontrollers	1			
10-620-151	Machine Control 1: Ladder Logic Fund	1			

10-620-152	Machine Control 2: Motor & Actuator Control	1		Courses passed with a C (2.0) or better will transfer "D" grade may be considered within an Associate degree and transferred as a block credit for core courses.	38
10-620-153	Machine Control 3: Sensors & Machine Safety	1			
10-620-157	Mechanical Systems 1: Basic Machine Comp	1			
10-620-158	Mechanical Systems 2: Power Trans Systems	1			
10-620-159	Industrial Motors 1: Electric Motors	1			
10-660-125	Industrial Ele Tech 3- Electronic Circuits and Devices	1			
10-660-126	Industrial Ele Tech 4- Electrical Systems	1			
10-660-127	Industrial Ele Tech 5- Advanced Electrical Characteristics	1			
10-660-128	Industrial Ele Tech 6- Advanced Digital Concepts	1			
10-420-101	Intro to Machine Shop	2			
10-620-154	Robot App 1: Fundamentals of Robotic Control	1			
10-620-155	Robot App 2: Robotic System Comp & Software	1			
10-620-160	Industrial Motors 2: DC/AC Var Speed Motor Dr	1			
10-620-161	Servo Sys 1: Fundamentals of Industrial Control Systems	1			
10-620-162	Servo Sys 2: Motion Control Systems	1			
10-620-173	Electromechanical Troubleshooting	1			
10-620-164	PLC 1: PLC Fundamentals And Bit Based Instruction	1			
10-620-165	PLC 2: Timers, Counters, And Program Control	1			
10-620-166	PLC 3: Data, Math, Sequencer And Shift Instructions	1			
10-620-167	PLC 4: Advanced Instructions & Programming	1			
10-442-101	Intro to Welding	1			
10-620-163	Servo Systems 3: Advanced Position Control & Integration	1			
10-620-145	Electromechanical Projects	3			
10-620-168	PLC 5: Industrial Networking	1			
10-620-169	PLC 6: PLC, PAC And PC Automation Integration	1			
	Total occupational course credits earned:	38		Total occupational course credits accepted:	38
	Total credits required for graduation:	61-62		Elective credits allowed	28-29
	Total transferable credits:	61-62		Total credits accepted at SHU:	90

Additional courses to take at NTC to transfer to Sienna Heights University as electives

Course No.	Course Title	Credits
10-801-155	English Composition II	3
10-806-177	General Anatomy & Physiology	4
10-809-188	Developmental Psychology	3
10-804-189	Intro to Statistics	3

Courses needed to complete degree at SHU:

Course No.	Course Title	Credits
LAS 300	Living the Liberal Arts	3
PHI or REL	Philosophy or Religious Studies course	3
LAS 400	Liberal Arts Capstone	3
	7 courses at the 300/400 level, choose from:	21
	Management	
	Marketing	
	Business	
	Sociology	
	Psychology	
	Communication	
	Information Technology	
	Health Care Management	
	Business Administration	
	Minors available in	
	Health care Management	
	Professional Communication	
	Information Technology	
Total credits needed at SHU to complete degree:		30

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

Updated On: 11/1/23