



Northcentral
TECHNICAL COLLEGE

TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS
NTC Program: Mechanical Design Engineering Technology
UWSP Program: Technology Management
Minimum GPA for admission: 2.25
Initial effective date:01-01-2024

General Education Courses

NTC			UWSP		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-804-195	College Algebra with Apps (3 cr.) <u>OR</u>	3 <u>OR</u>	MATH 118	Pre-Calculus Algebra (GEP: QL) <u>OR</u>	3 <u>OR</u>
10-804-118	Intermediate Algebra with Apps (4 cr.)	4	MATH 95 MATH 107	Intermediate Algebra <u>AND</u> Algebra for Pre-Calculus	2 ¹
10-806-154	General Physics 1 <u>OR</u>	4 <u>OR</u>	PHYS 201	PHYS 201 Applied Principles of Physics <u>OR</u>	4 <u>OR</u>
10-806-139	Survey of Physics	3	NSC 1XX	NSC 100-Level Elective (GEP: NSC)	3
10-801-195	Written Communication <u>OR</u>	3	ENGL 101	Academic Reading and Writing (GEP: WC)	3
10-801-136	English Composition 1				
10-801-197	Technical Reporting	3	ELEC 1XX	100-Level Elective	3
10-809-172	Intro to Diversity <u>OR</u>	3	SSUS 1XX	SSUS 100-Level Elective (GEP: SS, USD) <u>OR</u>	3
10-809-196	Intro to Sociology		SOC 101	Introduction to Sociology (GEP: SS, USD)	
10-809-199	Psychology of Human Relations <u>OR</u>	3	SS 1XX	SS 100-Level Elective (GEP: SS) <u>OR</u>	3
10-809-198	Intro to Psychology		PSYC 110	Introduction to Psychology (GEP: SS)	
10-890-165	College 101	1	ELEC 1XX	100-Level Elective	1
Total general education credits earned:		19-21			
Total transferable general education credits:		18-20	Total general education credits accepted:		18-20

Occupational Courses

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-606-105	Technical Drafting/CAD	2	ELEC 1XX	ELEC 100-Level Elective	2
10-606-106	AutoCAD Applications	2	ELEC 1XX	ELEC 100-Level Elective	2
10-606-128	Technical Detailing	2	ELEC 1XX	ELEC 100-Level Elective	2
10-606-160	Manufacturing Processes - Machining	2	ELEC 1XX	ELEC 100-Level Elective	2
10-606-162	Manufacturing Processes - Fabrications	2	ELEC 1XX	ELEC 100-Level Elective	2
10-606-180	Mechanisms	3	ELEC 1XX	ELEC 100-Level Elective	3
10-606-115	Machine Design 1	2	ELEC 1XX	ELEC 100-Level Elective	2
10-606-116	Tooling & Production	2	ELEC 1XX	ELEC 100-Level Elective	2
10-606-117	Machine Design 2	3	ELEC 1XX	ELEC 100-Level Elective	3
10-606-132	Materials of Industry	2	ELEC 1XX	ELEC 100-Level Elective	2
10-606-163	Strength of Materials	3	ELEC 1XX	ELEC 100-Level Elective	3
10-612-120	Fluid Power Systems 1: Fundamentals	1	ELEC 1XX	ELEC 100-Level Elective	1
10-606-107	Designing for Manufacturability	4	ELEC 1XX	ELEC 100-Level Elective	4

10-606-108	Geometric Dimensioning & Tolerancing Fund.	1	ELEC 1XX	ELEC 100-Level Elective	1
10-606-109	Computer Apps & Analysis for Engineers	1	ELEC 1XX	ELEC 100-Level Elective	1
10-606-111	Applied Mechanics for Technicians	3	ELEC 1XX	ELEC 100-Level Elective	3
10-606-125	Design Problems	3	ELEC 1XX	ELEC 100-Level Elective	3
10-606-130	Autodesk Inventor 3D CAD Software	2	ELEC 1XX	ELEC 100-Level Elective	2
10-606-133	SolidWorks 1	1	ELEC 1XX	ELEC 100-Level Elective	1
10-606-134	SolidWorks 2	1	ELEC 1XX	ELEC 100-Level Elective	1
10-623-119	Quality Assurance	1	ELEC 1XX	ELEC 100-Level Elective	1
10-623-118	Quality Systems	2	ELEC 1XX	ELEC 100-Level Elective	2
Total occupational course credits earned:		45		Total occupational course credits accepted:	45
Total credits required for graduation:		64-66		Total credits accepted at UWSP:	63-65

Courses needed to complete degree at UWSP:

Course No.	Course Title	Credits
Courses in the major²:		
Science and Engineering Skills - 16 credits		
CHEM 105	Fundamental Chemistry	5
CHEM 106	Fundamental Chemistry	5
ENGR 105	Engineering Fundamentals	3
ENGR 107	Engineering Graphics with Computer Aided-Drafting	3
Management Skills - 15 credits		
BUS 320	Principles of Management <u>OR</u>	3
BUS 325	Organizational Behavior	
BUS 322	Business Leadership for Managers	3
BUS 329	Project Management <u>OR</u>	3
PSEN 316	Engineering Economics and Project Management	
BUS 360	Principles of Production-Operations Management	3
PSYC 345	Industrial Organizational Psychology	3
Communication Skills - Take 12 credits from the courses below		
BUS 201	Writing and Presenting for Business	3
BUS 301	Building Relationships for Business	3
COMM 345	Small Group Communication	3
COMM 394	Business and Professional Communication	3
ENGL 254	Workplace Writing	3
ENGL 351	Advanced Business Writing	3
ENGL 352	Writing for Digital Media	3
ENGL 354	Advanced Scientific and Technical Writing	3
General Education Program courses³:		

ENGL 202	Academic Writing and Research	3
CT	GEP: Critical Thinking	3
WLN	GEP: Wellness	1
GEP	GEP: Arts	3
GEP	GEP: Humanities	3
GEP	GEP: Historical Perspectives	3
GEP	Global Awareness and Environmental Responsibility, may be satisfied with coursework above	0-6
GEP	GEP: Quantitative Literacy	0-3
Total credits needed at UWSP to complete degree⁴:		59-68

¹ The 4-credit NTC Intermediate Algebra w/Apps (10-804-118) transfers to UWSP as MATH 95 *and* MATH 107 (2 credits). However, MATH 95 does not count toward college credit in fulfillment of the 120 credits required for a degree and is noted here.

² In addition to credits in major courses listed above, additional 300/400-level credits *may* be required to satisfy university graduation requirement of at least 32 credits at the 3XX/4XX levels. 3XX courses are available for some of the GEP categories (e.g., Humanities, Historical Perspectives and Quantitative Literacy).

³ Exact number of credits depends on course selection. Quantitative Literacy requirement may possibly be fulfilled by MATH taken for associate program.

⁴ A minimum of 120 credits are required for graduation. Depending on course options, some students may complete the program requirements with fewer than 120 credits and an additional elective course may be required to reach 120 credits.

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

Updated on 3/1/24