



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS
 NTC 2019-2020 Program: MECHANICAL DESIGN ENGINEERING TECHNOLOGY
 UIU 2019-2020 Program: BUSINESS ADMINISTRATION
 Minimum GPA for admission:
 Initial effective date:

General Education Courses

NTC			Upper Iowa University		
Course No.	Course Title	Credits	Course No.	Course Title/Field -- (Fulfills Requirement)	Credits
10-804-195 10-804-118	College Algebra with Apps (3 cr.) OR Intermediate Algebra with Apps (4 cr.)	3 or 4	MATH 107 ---	College Algebra -- (Gen Ed) (Elective)	3 or 4
10-806-154	General Physics 1	4	PHY111 & PHY112	Introductory Physics I -- (Gen Ed) Introductory Physics Laboratory I	4
10-801-195 10-801-136	Written Communication <u>OR</u> English Composition 1	3	ENG 101	English Composition I -- (Gen Ed)	3
10-801-197	Technical Reporting	3	---	(Elective)	3
10-809-172 10-809-196	Intro to Diversity <u>OR</u> Intro to Sociology	3	SOC 240 SOC 110	Diversity in the United States -- (Gen Ed) Principles of Sociology -- (Gen Ed)	3
10-809-199 10-809-198	Psychology of Human Relations <u>OR</u> Intro to Psychology	3	---	(Elective)	3
			PSY 190	General Psychology -- (Gen Ed)	
Total general education credits earned:		19-20	Total general education credits accepted:		19-20

Note: **bolded** courses are recommended by UIU.

Occupational Courses

Course No.	Course Title	Credits	Course No.	Course Title -- (Fulfills Requirement)	Credits
10-606-105	Technical Drafting/CAD	2	---	(Elective)	2
10-606-128	Technical Detailing	2	---	(Elective)	2
10-606-132	Materials of Industry	2	---	(Elective)	2
10-606-160	Manufacturing Processes - Machining	2	---	(Elective)	2
10-606-106	2D AutoCAD Applications	2	---	(Elective)	2
10-606-111	Applied Mechanics for Technicians	3	---	(Elective)	3
10-606-115	Machine Design 1	2	---	(Elective)	2
10-606-162	Manufacturing Processes - Fabrications	2	---	(Elective)	2
10-606-163	Strength of Materials	3	---	(Elective)	3
10-606-107	Designing for Manufacturability	4	---	(Elective)	4
10-606-114	Mechanisms	4	---	(Elective)	4
10-606-117	Machine Design 2	3	---	(Elective)	3
10-612-120	Fluid Power Systems 1: Fundamentals	1	---	(Elective)	1
10-606-108	Geometric Dimensioning & Tolerancing Fund.	1	---	(Elective)	1
10-606-109	Computer Apps & Analysis for Engineers	1	---	(Elective)	1
10-606-116	Tooling & Production	2	---	(Elective)	2
10-606-125	Design Problems	3	---	(Elective)	3
10-606-130	Autodesk Inventor 3D CAD Software	2	---	(Elective)	2
10-606-133	SolidWorks 1	1	---	(Elective)	1
10-606-134	SolidWorks 2	1	---	(Elective)	1
Total occupational course credits earned:		43	Total occupational course credits accepted:		43
Total credits required for graduation:		62-63			
Total transferable credits:		62-63	Total credits accepted at UIU:		62-63

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

A minimum of 120 semester credits is required for a Bachelor of Science degree at Upper Iowa University. A minimum of 30 credits must be upper-division credits; lower-division transfer work from NTC does not contribute to the upper-division credit requirement at UIU.

Transfer grades lower than C- are not accepted by UIU.

Updated on: 06/25/19

Courses needed to complete degree at UIU:

Course No.	Course Title	Credits
General Education Studies		
	Any Gen Ed in Arts/Humanities	3
	Any Gen Ed in Arts/Humanities	3
ENG 101	English Composition I (Gen Ed Comm./Wrtn)	3
ENG 102	English Composition II (Gen Ed Comm./Wrtn)	3
COMM 105*	Public Speaking (Gen Ed Comm./Oral)	3
CS 102*	Intro Computer Applications & Technology (Gen Ed Comp. Skills)	3
MATH 105 or higher	College Algebra w/Applications (Gen Ed Mathematics) (MATH 107)	3
	Any Gen Ed in Natural Science (PHY 111)	3
	Any Gen Ed in Natural Science	3
	Any Gen Ed in Social Science (PSY 190)	3
	Any Gen Ed in Social Science (SOC 110 if selected)	3
	Any Gen Ed in Cultures (SOC 240 if selected)	3

More on next page.



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* Course could be completed at NTC.

Additional upper-division electives required for the following emphasis:
 - **Agricultural Management:** 3 upper-division credits required
 - **Health Services Administration:** 6 upper-division credits required

Courses needed to complete degree at UIU: (continued)

Course No.	Course Title	Credits
Business Core		
ECON 160*	Principles of Microeconomics	3
ECON 161	Principles of Macroeconomics	3
ACCT 201*	Accounting Principles I	3
ACCT 202*	Accounting Principles II	3
MKT 208*	Marketing Principles	3
BA 210	Management Principles	3
BA 222	Management Information Systems	3
BA 302*	Business Law and Ethics	3
FIN 341	Corporate Financial Management	3
BA 256 OR MATH 220*	Quantitative Analysis for Business I Elementary Statistics	3
BA 356	Quantitative Analysis for Business II	3
BA 374	Business Communication	3
BA 460	Strategic Management	3
Major		
BA 325*	New Venture Creation	3
BA 361*	Human Resource Management	3
BA 423	Production and Operations Management	3
Emphasis (must complete one listed below)		15
Total additional credits needed at UIU to complete degree:		84
Total Earned Credits:		146-147

Select an Emphasis

AGRICULTURAL MANAGEMENT	
Complete the following five courses	
BA 352	Risk Management
ACCT 422	Cost Accounting
FIN 444	New Venture Finance
ECON 212	Agricultural Economics
ECON 488	International Trade
ENTREPRENEURSHIP	
Choose five of the following; two must be at the 400-level	
BA 334	Social Entrepreneurship
MKT 337	Personal Selling
BA 370	Entrepreneurship & Small Business Management
BA 403	Internship
BA 411	Labor Relations and Negotiation
MKT 414	New Product Development
FIN 444	New Venture Finance
FINANCE	
Choose five of the following; two must be at the 400-level	
FIN/ECON 310	Money and Capital Markets
FIN 343	Investments
BA 352	Risk Management
BA 403	Internship OR
FIN 444	New Venture Finance
ECON 493	Managerial Economics
GENERAL BUSINESS	
With academic advisor, choose five 300-400 level business courses; at least two at the 400-level.	

GLOBAL	
Choose five of the following; two must be at the 400-level	
FIN 310/ ECON 310	Money and Capital Markets
BA 317	International Management
BA 365	Leadership Theory
BA 403	Internship
BA 411	Labor Relations and Negotiation
MKT 424	Global Marketing
ECON 488	International Trade
HEALTH SERVICES ADMINISTRATION	
Complete the following five courses	
HSA 205	Introduction to the American Health System
HSA 241	Healthcare Informatics
HSA 440	Health Services Administration
HSA 460	Health Services Policy and Regulation
HSA 490	Health Program Planning and Evaluation
HUMAN RESOURCE MANAGEMENT	
Choose five of the following; two must be at the 400-level	
BA 371	Training and Development
BA 383	Compensation and Benefits Management
BA 393	Personnel Selection and Evaluation
BA 403	Internship
BA 411	Labor Relations and Negotiation
BA 474	Organizational Behavior
MARKETING	
Choose five of the following; two must be at the 400-level	
MKT 337	Personal Selling
MKT 358	Consumer Behavior
MKT 363	Advertising & Integrated Marketing Communication
MKT 403	Internship
MKT 414	New Product Development
MKT 424	Global Marketing