



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS  
 NTC Program: MECHANICAL DESIGN  
 Upper Iowa University Program: BUSINESS ADMINISTRATION  
 Minimum GPA for admission: n/a

General Education Courses

NTC			College		
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 107	College Algebra	3
10-804-118	Intermediate Algebra with Apps (4 cr.)		---	elective	
10-804-196	Trigonometry with Apps	3	---	elective	3
10-806-154	General Physics 1	4	PHY 111	Introductory Physics I	4
10-801-195	Written Communication <u>OR</u>	3	ENG 101	Basic Composition	3
10-801-136	English Composition 1				
10-801-197	Technical Reporting	3	---	elective	3
10-809-196	Intro to Sociology	3	SOC 110	Principles of Sociology	3
10-809-198	Intro to Psychology <u>OR</u>	3	PSY 190	General Psychology	3
10-809-199	Psychology of Human Relations				
<b>Total general education credits earned:</b>		<b>22</b>			
Total transferable general education credits:			<b>Total general education credits accepted:</b>		<b>19</b>

Occupational Courses

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-606-105	Technical Drafting/CAD	2	---	elective	2
10-606-128	Technical Detailing	2	---	elective	2
10-606-160	Materials of Industry 1	1	---	elective	1
10-606-178	Materials of Industry 2	1	---	elective	1
10-606-160	Manufacturing Processes - Machining	2	---	elective	2
10-606-103	Mechanical Design Workforce Preparedness	1	---	elective	1
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
10-103-242	Excel 2016 Level 1	1	---	elective	1
10-606-100	Solidworks for Mechanical Design	2	---	elective	2
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
10-612-121	Fluid Power Systems 2: Fundamentals of Pneumatics	1	---	elective	1
10-612-122	Fluid Powere Systems 3: Design & Maintenance	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
<b>Total occupational course credits earned:</b>		<b>47</b>	<b>Total occupational course credits accepted:</b>		<b>47</b>
<b>Total credits required for graduation:</b>		<b>69</b>	<b>Total credits accepted at UIU:</b>		<b>69</b>

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.

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

**Courses needed to complete degree at Upper Iowa University:**

Course No.	Course Title	Credits
<b>General Education</b>		
ENG 102	English Composition II	3
COMM 105	Public Speaking	3
CS 102	Intro Computer Technology & Applications	3
---	a cultures course	3
---	an arts/humanities couse	3
---	an arts/humanities couse	3
---	a natural science course	3
<b>Business Core</b>		
BA 160	Microeconomic Principles	3
BA 161	Macroeconomic Principles	3
BA 201	Accounting Principles I	3
BA 202	Accounting Principles II	3
BA 208	Marketing Principles	3
BA 210	Management Principles	3
BA 222	Management Information Systems	3
BA 302	Business Law I	3
BA 341	Corporate Financial Management	3
BA 356	Quantitative Decisions in Business	3
BA 225 or PHIL 202	Business Ethics Contemporary Ethics	3
MATH 220	Elementary Statistics	3
<b>Major - BUSINESS ADMINISTRATION Core</b>		
BA 325	New Venture Creation	3
BA 361	Human Resource Management	3
BA 423	Production and Operations Management	3
BA 460	Strategic Management	3
<b>Major - Emphasis</b>		
	see next page	12
<b>Other</b>		
	general electives	20
<b>Total credits needed at UIU to complete degree:</b>		<b>51</b>

**BUSINESS ADMINISTRATION Emphases at UIU**

**GLOBAL emphasis**

*4 of the following; at least 2 at 400-level*

- BA 317 International Management*
- BA 365 Leadership Theory*
- BA 411 Labor Relations and Negotiation*
- BA 424 Global Marketing*
- BA 463 International Finance*
- BA 488 Economics of International Business*
- BA 403 Internship*

**ENTREPRENEURSHIP emphasis**

*4 of the following; at least 2 at 400-level*

- BA 334 Social Entrepreneurship*
- BA 337 Personal Selling*
- BA 370 Entrepreneurship & Small Business Management*
- BA 411 Labor Relations and Negotiation*
- BA 414 New Product Development*
- BA 444 New Venture Finance*
- BA 403 Internship*

**HUMAN RESOURCES MANAGEMENT emphasis**

*4 of the following; at least 1 at 400-level*

- BA 371 Training and Development*
- BA 383 Compensation & Benefits Management*
- BA 393 Personnel Selection and Evaluation*
- BA 411 Labor Relations and Negotiation*
- BA 474 Organizational Behavior*
- BA 403 Internship*

**FINANCE emphasis**

*4 of the following; at least 2 at 400-level*

- BA 310 Money and Capital Markets*
- BA 343 Investments*
- BA 352 Risk Management*
- BA 442 Intermediate Financial Management*
- BA 463 International Finance*
- BA 493 Managerial Economics*
- BA 403 Internship*

**MARKETING emphasis**

*4 of the following; at least 2 at 400-level*

- BA 337 Personal Selling*
- BA 355 Retailing*
- BA 358 Consumer Behavior*
- BA 363 Advertising and Integrated Marketing*
- BA 414 New Product Development*
- BA 424 Global Marketing*
- BA 403 Internship*

**HEALTH SERVICES ADMINISTRATION emphasis**

*4 of the following; at least 2 at 400-level*

- HSA 205 Intro to the American Health System*
- HSA 302 Managed Care*
- HSA 312 Community and Public Health*
- HSA 385 Legal Issues Related to Health Services*
- HSA 440 Health Services Administration*
- HSA 490 Health Program Planning and Evaluation*
- BA 403 Internship*

**GENERAL BUSINESS emphasis**

*Choose 4 300-400 level Business courses, at least 2 at 400-level*