

PROGRAM EQUIVALENCY GUIDE

Northeast Iowa Community College, Calmar/Peosta, Associate of Science (AS)

- to -

Upper Iowa University, Fayette Campus,

Bachelor of Science Degree in Biology with Pre-Professional/Health Science Emphasis*

June 2016

NICC 2016-2017 Curriculum // UIU 2016-17 Curriculum

NICC Course				UIU Course			
Course Number	Course Name	Cr	Fills AS Requirement	Course Number	Course Name	Cr	Fills BS Requirement
ENG:105	Composition I	3	Communication	---	---		Gen Ed (Commun)
ENG:106	Composition II	3	Communication	---	---		Gen Ed (Commun)
SPC:112	Public Speaking	3	Communication	---	---		Gen Ed (Commun)
4 courses	<i>Options for UIU Art/Hum Gen Ed Requirement:</i> ART:101,120,123,133, 203, 204 DRA:112 FLS:141,142 HUM:116, 170 LIT:101, 110,111,142 MUS: 100,102 PHI:101,105 REL:105 ASL:131 <i>Options for UIU Soc Sci Gen Ed Requirement:</i> ECN:110,120,130 GEO:121 HIS:131,132,151,152 POL:111 PSY:111,112,121,222,261 SOC:110,115 <i>Options for UIU Cultures Gen Ed Requirement:</i> CLS:150 HIS:214 HUM:108 LIT:186 SOC: 208	12	Humanities/ Social Science/ History/ Diversity	---	---		Gen Ed (Art/Hum OR Soc Sci OR Cultures)
---	---			1 course	Must have 6 credits Art/Hum, 6 credits Soc Sci (can include History), AND 3 credits Cultures	3	Gen Ed (Art/Hum OR Soc Sci OR Cultures)

NICC Course				UIU Course				
Course Number	Course Name	Cr	Fills AS Requirement	Course Number	Course Name	Cr	Fills BS Requirement	
BIO:112	General Biology I	4	Math/Science	BIO 135	Principles Biology I		Gen Ed (Nat Sci) & Major Core	
BIO:113	General Biology II	4	Math/Science	BIO 140	Principles Biology II		Gen Ed (Nat Sci) & Major Core	
CHM:160 CHM:161	Chemistry I Chemistry I Lab	3 1.5	Math/Science	CHEM 151	General Chemistry I		Major Core	
CHM:170 CHM:171	Chemistry II Chemistry II Lab	3 1.5	Math/Science	CHEM 152	General Chemistry II		Major Core	
BCA:212	Intro Computer Bus Appl	3	Remaining Req.	---	---		Gen Ed (Computer Skills)	
SDV:179	The College Experience	3	Remaining Req.	---	---		Free Elective	
BIO:183 BIO:184	Microbiology Microbiology Lab	3 1	Remaining Req.	BIO 210	Microbiology		Major Emphasis Elective	
BIO:165 BIO:167	Human Anat/Phys I Human Anat/Phys I Lab	3 1	Remaining Req.	BIO 270	Hum Anat/Phys I		Major Emphasis Elective	
BIO:170 BIO:172	Human Anat/Phys II Human Anat/Phys II Lab	3 1	Remaining Req.	BIO 275	Hum Anat/Phys II		Major Emphasis Elective	
1 course	MAT:110, 120, 140	3-4	Math/Science	---	---	3-6	Free elective	
	MAT:128, 130, 210, 216 or 219 from NICC will count for MATH 115 requirement at UIU			MATH 115**	Trig & Analytic Geometry		Gen Ed (Math) & Major Core	
	MAT:156 from NICC will count for MATH 220 requirement at UIU			MATH 220**	Elementary Stats		Major Core	
1 course	Elective (if needed)	0-1	Remaining Req.	---	---		Free elective	
---	---		---	BIO 201	Sci Literacy Skills	1	Major Core	
---	---		---	BIO 283	General Genetics	4	Major Core	
---	---		---	BIO 340	Evolution	3	Major Core	
---	---		---	BIO 381	Cell/Molecular Bio	3	Major Core	
---	---		---	BIO 398	Thesis Research I	2	Major Core	
---	---		---	BIO 498	Thesis Research II	2	Major Core	
---	---		---	CHEM 251	Organic Chem I	4	Major Core	
---	---		---	CHEM 252	Organic Chem II	4	Major Core	
---	---		---	PHY 111 PHY 112	Intro Physics I Intro Physics I Lab	3 1	Major Emphasis Electives	
---	---		---	PHY 113 PHY 114	Intro Physics II Intro Physics II Lab	3 1	Major Emphasis Electives	
---	---		---	Additional courses	Upper-level BIO or CHEM electives from emphasis list	5	Major Emphasis Electives	
---	---		---	Additional courses	Free electives – 15 credits will need to be upper-level	15-18	Free electives	
NICC total credits		60	UIU total credits				60	
						Total Credits toward UIU graduation		120
*Completion of this degree does not ensure entrance into Medical, Dental, Optometry, or other Professional Degree Programs.								
**Note: Requires appropriate pre-requisite math coursework or placement if taken at UIU; see UIU Catalog.								

NICC A.S. to UIU B.S. Biology Major/Pre-Professional Emphasis

Sample Degree Plan

YEAR 1 NICC (30 or 31 credits)	
Fall	Spring
BIO:112 General Biology I (4)	BIO:113 General Biology II (4)
ENG:105 Composition I (3)	ENG:106 Composition II (3)
SDV:179 The College Experience (3)	Humanities/Social Science Elective (3)
Humanities/Social Science Elective (3)	BIO:183 Microbiology (3)
	BIO:184 Microbiology Lab (1)
	Transfer Math Elective (3-4)* (MAT:110,120,128,130,140,156,210,216,219)

YEAR 2 NICC (29 or 30 credits)	
Fall	Spring
CHM:160 Chemistry I/Lab (3)	CHM:170 Chemistry II (3)
CHM:161 Chemistry I Lab (1.5)	CHM:171 Chemistry II Lab (1.5)
BIO:165 Human Anat & Phys I (3)	BIO:170 Human Anat & Phys II (3)
BIO:167 Human Anat & Phys I Lab (1)	BIO:172 Human Anat & Phys II Lab (1)
SPC:112 Public Speaking (3)	BCA:212 Intro Computer Bus Apps. (3)
Humanities/Soc Sci Elective (3)	Humanities/Soc Sci Elective (3)
Elective (1) - needed only if transfer math elective taken during year 1 was 3 credits.	

YEAR 3 UIU (30 credits)			
Fall I	Fall II	Spring I	Spring II
CHEM 251 Organic Chem I (4)	BIO 283 General Genetics (4)	CHEM 252 Organic Chemistry II (4)	PHY 113 Intro Physics II (3)
MATH 107 College Algebra (if needed) OR Free elective (3)	MATH 115 Trig & Analytic Geometry (if needed) OR Free elective (3)	PHY 111 Intro Physics I (3)	PHY 114 Intro Physics II Lab (1)
BIO201*** Sci Literacy Skills (1)		PHY 112 Intro Physics I Lab (1)	BIO/CHEM elective (3) (e.g. Biochemistry I)**

YEAR 4 UIU (30 credits)			
Fall I	Fall II	Spring I	Spring II
BIO 340 Evolution (3)	Art/Hum OR Soc Sci OR Cultures Elective (3)	BIO/CHEM elective (3) (e.g. Immunology OR Cancer Biology)**	BIO 381 Cell/Molecular Biology (3)
MATH 220 Elem Statistics (if needed) or Free elective (3)**	Free elective (4)**	Free elective (3)**	Free elective (4)**
BIO 398*** Thesis Research I (2)		BIO498*** Thesis Research II (2)	

* If the transfer math class taken is 3 credits, an additional one credit elective will need to be taken sometime during year 2.

**If an elective, credits must be upper-level (300 or above).

***This is a semester-long course.