

<b>IOWA STATE UNIVERSITY (ISU)</b>				
<b>College of Human Sciences &amp; College of Agriculture and Life Sciences</b>				
<b>Department of Food Science and Human Nutrition</b>				
<b>Transfer Planning Guide for:</b>				
<b><u>North Iowa Area Community College (NIACC)</u></b>				
ISU Major in: <b>Food Science</b>				
<b>(Based on the ISU 2007-2009 and 2007-2008 NIACC Catalogs)</b>				
1/7/08 (SBM)				
The courses listed below are those that can be taken at NIACC to satisfy requirements of the Food Science major at ISU.				
This document was accurate on the date it was prepared but <b>may not reflect subsequent changes by ISU or NIACC.</b>				
For this reason, <i>this transfer plan should be used as a guide only, and should not replace consultation with a NIACC adviser and an ISU adviser. For clarification and more information, contact:</i>				
Sarah Bender Miller				
(515) 294-2553,				
<a href="mailto:smbender@iastate.edu">smbender@iastate.edu</a>				
No more than 65 semester credit hours earned at a two-year college can be applied to a baccalaureate degree from ISU.				
ISU will accept up to 16 semester hours of credit earned in vocational-technical courses if the sending community college accepts such courses toward its Associate in Art or Associate in Science Degrees.				
**All courses do not need to be completed prior to transfer. An emphasis on completing science sequence courses will best help students move through the program at the quickest pace after transfer.				
<b>NIACC</b>				
NEW #	OLD #		ISU Equivalent	Credits
<b>Communication and Library - choose ENG 102 &amp; ENG 130 OR ENG 105, 106 &amp; SPC 111:</b>				
*ENG 102	ENGL 101	Composition and Speech I	ENGL 150	3
			SP CM 212	2
*ENG 103	ENGL 102	Composition and Speech II	ENGL 250	3
			LIB 160	R
* When ENG 102 and ENG 103 are both taken, the four courses listed will transfer.				
ENG 105	ENGL 104	Composition I	ENGL 150	3
ENG 106	ENGL 105	Composition II	ENGL 250	3
SPC 111	SPCH 101	Public Speaking	SP CM 212	2
<b>Social Sciences:</b>				
ECN 130	ECON 111	Principles of Microeconomics	ECON 101	3
<b>Humanities- choose 3-9 credits from this list (contact the ISU academic adviser regarding how many credits to select):</b>				
ART 101	ARTS 101	Art Appreciation	ART 292	3
ART 203	ARTS 104	Art History I	ART H 280	3
ART 204	ARTS 105	Art History II	ART H 281	3
FLS 241	SPAN 201	Intermediate Spanish I	SPAN 201	4
FLS 242	SPAN 202	Intermediate Spanish II	SPAN 202	4
HIS 112	HIST 201	Western Civilization: Ancient to Early Modern	HIST 201	4
HIS 113	HIST 202	Western Civilization: Early Modern to Present	HIST 202	4
HIS 151	HIST 101	U.S. History to 1877	HIST 221	3

HIS 152	HIST 102	U.S. History since 1877	HIST 222	3
EDU 235	EDUC 201	Children's Literature	HD FS 240	3
MUS 100	MUSI 101	Music Appreciation	MUSIC 102	3
PHI 101	PHIL 101	Introduction to Philosophy	PHIL 201	3
PHI 105	PHIL 102	Introduction to Ethics	PHIL 230	3
DRA 119	DRAM 101	Introduction to Theatre, TV, and Film	THTRE 106	3

### International Perspectives & U.S. Diversity Courses:

Please visit with the ISU academic adviser to select appropriate transfer courses in this area.

### Mathematics -Technology option choose MAT 210 & 216; Industry Option choose: MAT 210; Consumer option choose MAT 121:

MAT 121	MATH 121	College Algebra	MATH 140	4
MAT 210	MATH 251	Calculus I	MATH 165	4
MAT 216	MATH 252	Calculus II	MATH 166	4

### Mathematics - select this additional course:

MAT 156	STAT 104	Introduction to Statistics	STAT 104	3
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### Physical Sciences:

CHM 166	CHEM 210	General Chemistry I	CHEM 177	4
		General Chemistry I Lab	CHEM 177L	1
CHM 176	CHEM 211	General Chemistry II	CHEM 178	4
		General Chemistry II Lab	CHEM 178L	1
CHM 263	CHEM 220	Organic Chemistry I	CHEM 331	3
		Organic Chemistry I Lab	CHEM 333L	2

### Physical Sciences- Technology option choose this additional course:

CHM 273	CHEM 221	Organic Chemistry II	CHEM 332	3
		Organic Chemistry II Lab	CHEM 334L	2

### Physical Sciences- Industry & Consumer Options select PHY 106; Technology option choose PHY 162 & 172:

PHY 106	PHYS 110	Survey of Physics	PHYS 106	4
PHY 162	PHYS 120	College Physics I	PHYS 111	4
PHY 172	PHYS 121	College Physics II	PHYS 112	4

### Biological Sciences:

BIO 202	BIOL 201	Biology I	BIOL 211	3
		Biology I Lab	BIOL 211L	1
BIO 203	BIOL 142	General Biology II	BIOL 212	3
		General Biology II Lab	BIOL 212L	1

### Biological Sciences - Industry option & Consumer option choose this additional Microbiology course:

BIO 186	BIOL 109	Microbiology	MICRO 200- (will sub for MICRO 201 & MICRO 201L)	4
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### Major Courses:

BIO 151	BIOL 205	Nutrition	FS HN 167	3
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<b>Major Courses- Industry option ONLY choose 6 credits from this list:</b>				
BUS 185	BUSN 120	Business Law I	ACCT 215	3
ACC 121	ACCT 120	Principles of Accounting I	ACCT 284	3
ACC 122	ACCT 121	Principles of Accounting II	ACCT 285	3
<b>Elective Courses:</b>				
Electives- Food Science majors need 0-4 credits of college-level elective coursework to get to 120.5 (minimum) credit hours required for graduation. Please contact the ISU academic adviser regarding any elective credit selection.				