

## ***Course Equivalency Guide***

between

**Iowa State University**  
515 294-5836  
***www.iastate.edu***

and

**Iowa Lakes Community College**  
***www.iowalakes.edu***

**Estherville**  
800 242-5106

**Emmetsburg**  
800 242-5108

***Based on the Iowa Lakes Community College 2021-2022 General Catalog and the  
2021-2022 Iowa State University Bulletin***

## ***How to Read the Course Equivalency Guide***

The Course Equivalency Guide lists the courses offered at the community college and how each of those corresponds to courses offered at Iowa State University. Regardless of how a course is listed on the equivalency guide, it is important to keep in mind that the individual colleges or departments determine how each course will apply toward your degree program at Iowa State University. Please note that equivalencies are date-specific and dependent on when the course was taken.

- If there is a course that is directly equivalent to the community college course, the Iowa State department and course number is listed.
- If there is not a course that is directly equivalent to the community college course, the department name is still listed with either a 1T\*\* or 2T\*\*. This shows that it does transfer as either a freshman (1T\*\*) or a sophomore (2T\*\*) level course. The student's major department at Iowa State will apply these credits to the student's degree as they see fit.
- A "z" after MATH 100 indicates that the course will transfer to Iowa State, but will not be used toward graduation from Iowa State University.
- CAREER/TECH means that the course is part of a career/technical program. A maximum of sixteen semester hours of career/technical credit can be transferred to Iowa State.
- "NC" in the credit column indicates that the course does not transfer to Iowa State University. In most cases the course is developmental in nature.

IOWA LAKES COMMUNITY COLLEGE		IOWA STATE	
COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS
<b><u>ACCOUNTING</u></b>			
ACC 111	Intro to Accounting	ACCT 1T**	3
ACC 131	Principles of Accounting I	ACCT 284	4
ACC 132	Principles of Accounting II	ACCT 285	4
ACC 161	Payroll Accounting	ACCT 1T**	3
ACC 221	Cost Accounting	ACCT 2T**	3
ACC 231	Intermediate Accounting I	ACCT 2T**	4
ACC 232	Intermediate Accounting II	ACCT 2T**	4
ACC 261	Income Tax Accounting	ACCT 2T**	3
ACC 310	Computer Accounting	ACCT 1T**	2
ACC 311	Computer Accounting	ACCT 1T**	3
ACC 702-941	By Title	CAREER/TECH	
<b><u>ADMINISTRATIVE ASSISTANT</u></b>			
ADM 116-941	By Title	CAREER/TECH	
<b><u>ASSOCIATE DEGREE NURSING</u></b>			
ADN 111-415	By Title	CAREER/TECH	
<b><u>AGRICULTURE - AGRONOMY</u></b>			
AGA 114	Principles of Agronomy	AGRON 181	3
AGA 154	Fundamentals of Soil Science	AGRON 182	3
AGA 218	Grain Harvest Handling Drying Equipment	CAREER/TECH	
AGA 284	Pesticide Application Certification	ENT 2T**	3
AGA 287	Commercial Pesticide AP Certification	ENT 283	3
AGA 352	Soil Science & Fertilizer	AGRON 2T**	2
AGA 353	Advanced Soil Fertility	AGRON 2T**	2
AGA 374-840	By Title	CAREER/TECH	
<b><u>AGRICULTURE - FARM MANAGEMENT</u></b>			
AGB 194	Beginning Sales	CAREER/TECH	
AGB 210	Agricultural Law	ECON 2T**	2
AGB 281-327	By Title	CAREER/TECH	
AGB 436	Grain Merchandising	ECON 1T**	2
AGB 437	Commodity Marketing	ECON 1T**	3
AGB 439-466	By Title	CAREER/TECH	
<b><u>AGRICULTURE - COMPREHENSIVE</u></b>			
AGC 100-939	By Title	CAREER/TECH	
<b><u>AGRICULTURE - MECHANICS</u></b>			
AGM 102-851	By Title	CAREER/TECH	
<b><u>AGRICULTURE - PRECISION AG</u></b>			
AGP 242	Precision Ag Applications	CAREER/TECH	
AGP 329	Intro to GPS	TSM 2T**	3
<b><u>AGRICULTURE - ANIMAL SCIENCE</u></b>			
AGS 113	Survey of the Animal Industry	AN S 114	3
AGS 240	Animal Health	AN S 2T**	2
AGS 242	Animal Health	AN S 2T**	3
AGS 319	Animal Nutrition	AN S 2T**	3

IOWA LAKES COMMUNITY COLLEGE		IOWA STATE	
COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS
<b><u>AGRICULTURE - ANIMAL SCIENCE, continued</u></b>			
AGS 350-529	By Title	CAREER/TECH	
*AGS 556	Introduction to Beef Cow Production	AN S 2T**	2
*AGS 563	Farm Enterprise Experience/Cow-Calf	AN S 2T**	1
<i>*When AGS 556 and AGS 563 are both taken, 3 credits of AN S 226 will be given.</i>			
AGS 557-558	By Title	CAREER/TECH	
AGS 559	Beef Feedlot Production	AN S 2T**	2
AGS 561-566	By Title	CAREER/TECH	
<b><u>AGRICULTURE - VET TECH</u></b>			
AGV 103-932	By Title	CAREER/TECH	
<b><u>ANTHROPOLOGY</u></b>			
ANT 105	Cultural Anthropology	ANTHR 201	3
<b><u>ART</u></b>			
ART 101	Art Appreciation	ART 1T**	3
ART 121	2-D Design	ART 1T**	4
ART 124	Computer Art	ART 1T**	3
ART 127	Digital Illustration	ART 1T**	3
ART 133	Drawing	ART 1T**	3
ART 134	Drawing II	ART 1T**	3
ART 143	Painting	ART 1T**	3
ART 144	Painting II	ART 1T**	3
ART 173	Ceramics	ART 1T**	3
ART 174	Ceramics II	ART 1T**	3
ART 286	Photography: Portraiture	ART 2T**	3
<b><u>AUTOMATION TECH &amp; ROBOTICS</u></b>			
ATR 105-253	By Title	CAREER/TECH	
<b><u>AUTOMOTIVE TECHNOLOGY</u></b>			
AUT 104-890	By Title	CAREER/TECH	
<b><u>AVIATION</u></b>			
AVI 129-941	By Title	CAREER/TECH	
<b><u>BUSINESS COMPUTER APPLICATIONS</u></b>			
BCA 134-185	By Title	CAREER/TECH	
BCA 212	Intro to Computer Business Applications	COM S 103	3
BCA 218	Advanced Microsoft Office Applications	COM S 2T**	3
<b><u>BIOLOGY</u></b>			
BIO 105	Introductory Biology	BIOL 101	4
*BIO 112	General Biology I	BIOL 2T**	4
*BIO 113	General Biology II	BIOL 2T**	4
<i>*When BIO 112 and BIO 113 are both taken, the courses will transfer as BIOL 211 (3), BIOL 211L (1), BIOL 212 (3), and BIOL 212L (1).</i>			
BIO 141	Ecology and Environmental Concepts	BIOL 1T**	4
BIO 151	Nutrition	FS HN 167	3

IOWA LAKES COMMUNITY COLLEGE		IOWA STATE	
COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS
<b><u>BIOLOGY, continued</u></b>			
BIO 163	Essentials of Anatomy and Physiology	BIOL 155	4
*BIO 168	Human Anatomy and Physiology I	BIOL 1T**	4
*BIO 173	Human Anatomy and Physiology II	BIOL 1T**	4
<i>*When BIO 168 and BIO 173 are both taken, the courses will transfer as BIOL 255 (3), BIOL 255L (1), BIOL 256 (3), and BIOL 256L (1).</i>			
BIO 186	Microbiology	MICRO 201	3
	Microbiology Lab	MICRO 201L	1
<b><u>BUSINESS</u></b>			
BUS 102	Introduction to Business	BUSAD 1T**	3
BUS 106-126	By Title	CAREER/TECH	
BUS 130	Introduction to Entrepreneurship	BUSAD 1T**	3
BUS 150	E-Commerce	CAREER/TECH	
BUS 160	Human Relations	BUSAD 1T**	2
BUS 161	Human Relations	BUSAD 1T**	3
BUS 175	Business Seminar I	BUSAD 1T**	1
BUS 185	Business Law I	ACCT 215	3
BUS 186	Business Law II	ACCT 2T**	3
BUS 197	Leadership Development	MGMT 1T**	3
BUS 211	Business Statistics	STAT 101	4
BUS 212	Business Statistics II	STAT 2T**	3
BUS 250	Principles of Real Estate	FIN 2T**	3
BUS 932	Practicum	BUSAD 2T**	3-5
BUS 938	Office On-The-Job Training	CAREER/TECH	
BUS 949	Special Topics	BUSAD 2T**	3
<b><u>CHEMISTRY</u></b>			
CHM 151	College Chemistry I	CHEM 163	3
		CHEM 163L	1
CHM 152	College Chemistry II	CHEM 1T**	3
		CHEM 1T**	1
CHM 166	General Chemistry I	CHEM 177	4
		CHEM 177L	1
CHM 176	General Chemistry II	CHEM 178	4
		CHEM 178L	1
CHM 190	Intro to Forensic Chemistry	CHEM 1T**	4
CHM 263	Organic Chemistry I	CHEM 331	3
		CHEM 333L	2
CHM 273	Organic Chemistry II	CHEM 332	3
		CHEM 334L	2
<b><u>COMPUTER PROGRAMMING</u></b>			
CIS 125	Intro to Programming Logic w/Language	COM S 1T**	3
CIS 141	Computer Science	COM S 1T**	3
CIS 143	Advanced Computer Science	COM S 1T**	4
CIS 146-148	By Title	CAREER/TECH	
CIS 161	C++	COM S 2T**	3
CIS 171, 204	By Title	CAREER/TECH	3
CIS 332	Data Base and SQL	MIS 2T**	3
CIS 366-367	Game Development I, II	CAREER/TECH	

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COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS
<b><u>COMPUTER PROGRAMMING, continued</u></b>			
CIS 612	Advanced Visual Basic	COM S 2T**	3
CIS 941	Computer Science Practicum	COM S 2T**	Variable
<b><u>COMMUNICATION</u></b>			
COM 723-781	By Title	CAREER/TECH	
<b><u>CONSTRUCTION</u></b>			
CON 106-932	By Title	CAREER/TECH	
<b><u>COSMETOLOGY</u></b>			
COS 111-172	By Title	CAREER/TECH	
<b><u>CRIMINAL JUSTICE</u></b>			
CRJ 100	Intro to Criminal Justice	C J 240	3
CRJ 101	Ethics in Criminal Justice	C J 1T**	3
CRJ 110	Patrol Procedures	C J 1T**	3
CRJ 120	Introduction to Corrections	C J 1T**	3
CRJ 123	Service Learning Project	C J 1T**	1
CRJ 130	Criminal Law	C J 1T**	3
CRJ 133	Constitutional Criminal Procedure	C J 1T**	3
CRJ 136	Correctional Law	C J 1T**	3
CRJ 141	Criminal Investigation	C J 1T**	3
CRJ 170	Overview of Cybercrime	C J 1T**	3
CRJ 200	Criminology	C J 242	3
CRJ 201	Juvenile Delinquency	SOC 241	3
CRJ 207	Drug Use and Abuse	H S 215	3
CRJ 208	Introduction to Private Security	C J 2T**	3
CRJ 214	Survival Spanish for Criminal Justice	CAREER/TECH	
CRJ 218	Field Experience I-Law Enforcement	C J 2T**	2
CRJ 219	Field Experience II-Law Enforcement	C J 2T**	3
CRJ 220	Community-Based Corrections	C J 2T**	3
CRJ 250-901	By Title	CAREER/TECH	
CRJ 920	Field Experience	C J 2T**	5
<b><u>COMPUTER SCIENCE</u></b>			
CSC 110	Introduction to Computers	COM S 103	3
CSC 116	Information Computing	COM S 113	3
<b><u>FILM AND THEATRE</u></b>			
DRA 101	Introduction to Theatre	THTRE 1T**	3
<b><u>DISABILITY SERVICES</u></b>			
DSV 104	Making a Difference: Service Careers	SOC 1T**	3
DSV 125-155	By Title	CAREER/TECH	
DSV 160	Counseling Skills	PSYCH 1T**	4
DSV 932-941	By Title	CAREER/TECH	
<b><u>EARLY CHILDHOOD EDUCATION</u></b>			
ECE 103	Introduction to Early Childhood Education	HD FS 1T**	3
ECE 106-111	By Title	CAREER/TECH	
ECE 112	Portfolio Development I	HD FS 1T**	1

IOWA LAKES COMMUNITY COLLEGE		IOWA STATE	
COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS
<b><u>EARLY CHILDHOOD EDUCATION, continued</u></b>			
ECE 113	Portfolio Development II	HD FS 1T**	1
ECE 133	Child Health/Safety/Nutrition	CAREER/TECH	
ECE 140	Early Childhood Curriculum Planning	HD FS 1T**	3
ECE 158-159	Early Childhood Curriculum I, II	CAREER/TECH	
ECE 170	Child Growth and Development	HD FS 1T**	3
ECE 210-221	By Title	CAREER/TECH	
ECE 243	Early Childhood Guidance	HD FS 2T**	3
ECE 261	Contemporary Issues in Child Care	HD FS 2T**	3
ECE 262, 278	Early Childhood Field Experience I, II	CAREER/TECH	
ECE 290	Early Childhood Program Administration	HD FS 2T**	3
<b><u>ECONOMICS</u></b>			
ECN 120	Principles of Macroeconomics	ECON 102	3
ECN 130	Principles of Microeconomics	ECON 101	3
<b><u>EDUCATION</u></b>			
EDU 210	Foundations of Education	EDUC 204	3
EDU 212	Educational Foundations	EDUC 204	3
EDU 217	Introduction to Education Lab	EDUC 2T**	1
EDU 235	Children's Literature	HD FS 240	3
<b><u>ENGINEERING TECHNOLOGY</u></b>			
EGT 114-946	By Title	CAREER/TECH	
<b><u>ELECTRICAL TECHNOLOGY</u></b>			
ELE 119-946	By Title	CAREER/TECH	
<b><u>ELECTRONICS</u></b>			
ELT 125-732	By Title	CAREER/TECH	
<b><u>ENGLISH COMPOSITION</u></b>			
ENG 003-062	By Title		No Credit
ENG 105	Composition I	ENGL 150	3
ENG 106	Composition II	ENGL 250	3
ENG 221	Creative Writing	ENGL 2T**	3
<b><u>ENVIRONMENTAL SCIENCE</u></b>			
ENV 145	Conservation Biology	ENV S 1T**	4
<b><u>ENVIRONMENTAL STUDIES</u></b>			
EVS 114	Environmental Studies I	ENV S 1T**	4
EVS 124	Environmental Studies II	ENV S 1T**	4
EVS 173	Intro to Water Resources	CAREER/TECH	
EVS 200	Environmental Seminar	ENV S 2T**	2
EVS 205-224	By Title	CAREER/TECH	
EVS 225	Collection and Distribution Systems	ENV S 2T**	3
EVS 254	Introduction to Natural Resources Mgmt	ENV S 2T**	4
EVS 264	Natural Resources Management Techniques	ENV S 2T**	4
EVS 274-284	By Title	CAREER/TECH	
EVS 294	Introduction to GIS	ENV S 2T**	3

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COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS
<b><u>ENVIRONMENTAL STUDIES, continued</u></b>			
EVS 941	Practicum	ENV S 2T**	4
EVS 946	Water Quality Internship	CAREER/TECH	
<b><u>FINANCE</u></b>			
FIN 101	Principles of Banking	FIN 1T**	3
FIN 121	Personal Finance	HD FS 283	3
<b><u>FOREIGN LANGUAGE - FRENCH</u></b>			
FLF 141	Elementary French I	FRNCH 101	4
FLF 142	Elementary French II	FRNCH 102	4
<b><u>FOREIGN LANGUAGE - SPANISH</u></b>			
FLS 104	Spanish for Professionals	CAREER/TECH	
FLS 141	Elementary Spanish I	SPAN 101	4
FLS 142	Elementary Spanish II	SPAN 102	4
FLS 241	Intermediate Spanish I	SPAN 201	4
FLS 242	Intermediate Spanish II	SPAN 202	4
<b><u>GEOGRAPHY</u></b>			
GEO 121	World Regional Geography	S SCI 1T**	3
<b><u>GRAPHIC COMMUNICATIONS</u></b>			
GRA 118	Electronic Publishing	ART 1T**	3
GRA 121	Digital Drawing	ART 1T**	3
GRA 140-141	Digital Imaging I, II	ART 1T**	3 each
GRA 162	Web Page Graphics	ART 1T**	3
GRA 166	Web Animations	CAREER/TECH	
GRA 173	Typography	ART 1T**	3
GRA 175	Graphic Design	ART 1T**	3
GRA 188	Advert Layout & Composition	ART 1T**	3
GRA 234-802	By Title	CAREER/TECH	
GRA 932	Internship	ART 2T**	2-4
<b><u>HOSPITALITY, CULINARY AND MANAGEMENT</u></b>			
HCM 104	Applied Food Service Sanitation	HSP M 233	4
HCM 141-940	By Title	CAREER/TECH	
<b><u>HEATING, AIR CONDITIONING, &amp; VENTILATION TECHNOLOGY</u></b>			
HCR 102-932	By Title	CAREER/TECH	
<b><u>HISTORY</u></b>			
HIS 110	Western Civ: Ancient to Modern	HIST 201	3
HIS 111	Western Civ: Modern to Present	HIST 202	3
HIS 151	U.S. History to 1877	HIST 221	3
HIS 152	U.S. History Since 1877	HIST 222	3
HIS 201	Iowa History	HIST 2T**	3
HIS 251	U.S. History 1945 to Present	HIST 2T**	3
HIS 257	African American History	AF AM 2T**	3
<b><u>HEALTH INFORMATION TECHNOLOGY</u></b>			
HIT 242-601	By Title	CAREER/TECH	

IOWA LAKES COMMUNITY COLLEGE		IOWA STATE	
COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS

### HEALTH SCIENCES

HSC 109-217 By Title CAREER/TECH

### HUMAN SERVICES

HSV 140	Social Work and Social Welfare	SOC 1T**	3
HSV 162	Intro to Human Disabilities & Services	SP ED 250	3
HSV 225	Counseling Techniques	HD FS 2T**	3
HSV 284	Case Management	CAREER/TECH	
HSV 293	Substance Abuse and Treatment Planning	HD FS 2T**	3
HSV 901	Substance Abuse Practicum I	HD FS 2T**	3
HSV 902	Substance Abuse Practicum II	HD FS 2T**	4

### JOURNALISM

JOU 171	Introduction to Photography	JL MC 1T**	3
JOU 173	Digital Photography	JL MC 1T**	3
JOU 177	News and Advertising Photography	JL MC 1T**	3
JOU 180	Digital Imaging for Professionals	JL MC 1T**	3
JOU 190	Digital Media Mktng, Writing, Comm Engagement	JL MC 1T**	3
JOU 941	Practicum	JL MC 2T**	Variable

### PARALEGAL & LEGAL STUDIES

LGL 120	Introduction to Law & Paralegal	C J 1T**	2
LGL 121	Law Office Software	C J 1T**	1
LGL 122	Legal Ethics	C J 1T**	2
LGL 140	Wills, Trusts and Estate Administration	C J 1T**	3
LGL 154	Legal Research	C J 1T**	4
LGL 161	Legal Writing	C J 1T**	4
LGL 180	Torts and Litigation	C J 1T**	3
LGL 200	American Trial Process	C J 2T**	3
LGL 205	Employment Law	C J 2T**	3
LGL 210	Contract Law	C J 2T**	3
LGL 230	Criminal Law & Procedure	C J 2T**	3
LGL 242	Civil Procedure & Practice	C J 2T**	3
LGL 250	Family Law	C J 2T**	3
LGL 941	Practicum	C J 2T**	4
LGL 942	Paralegal Practicum	CAREER/TECH	

### LITERATURE

LIT 101	Introduction to Literature	ENGL 201	3
LIT 110	American Literature to Mid-1800's	ENGL 227	3
LIT 111	American Literature Since Mid-1800's	ENGL 228	3
LIT 150	World Literature I	ENGL 2T**	3
LIT 161	The Short Story	ENGL 2T**	3
LIT 184	Young Adult Literature	ENGL 2T**	3

### MEDICAL ASSISTANT

MAP 111-941 By Title CAREER/TECH

### MATHEMATICS

MAT 005-054	By Title		No Credit
*MAT 102	Intermediate Algebra	MATH 100Z	4

*\*Transfer credit in MATH 100Z does not count toward graduation.*



IOWA LAKES COMMUNITY COLLEGE		IOWA STATE	
COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS

**MATHEMATICS, continued**

MAT 110	Math for Liberal Arts	MATH 105	3
MAT 117	Math for Elementary Teachers	MATH 195	3
MAT 120	College Algebra	MATH 140	3
MAT 121	College Algebra	MATH 140	4
MAT 127	College Algebra & Trigonometry	MATH 143	5
MAT 140	Finite Math	MATH 104	3
MAT 156	Statistics	STAT 104	3
MAT 157	Statistics	STAT 101	4
MAT 210	Calculus I	MATH 160	4
MAT 211	Calculus I	MATH 165	5
MAT 217	Calculus II	MATH 166	5
MAT 218	Calculus III	MATH 265	3
MAT 227	Differential Equations w/Laplace Transforms	MATH 267	4
MAT 743-772	By Title	CAREER/TECH	

**MANUFACTURING**

MFG 126-505	By Title	CAREER/TECH	
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**MANAGEMENT**

MGT 101	Principles of Management	MGMT 1T**	3
MGT 110	Small Business Management	MGMT 1T**	3
MGT 130	Principles of Supervision	MGMT 1T**	3
MGT 165	Principles of Quality	MGMT 1T**	3
MGT 170	Human Resource Management	MGMT 1T**	3
MGT 178	Employment Law	MGMT 1T**	3

**MARKETING**

MKT 110	Principles of Marketing	MKT 1T**	3
MKT 140	Principles of Selling	MKT 1T**	3
MKT 142	Consumer Behavior	MKT 1T**	3
MKT 150	Principles of Advertising	ADVRT 1T**	3
MKT 155-938	By Title	CAREER/TECH	

**MASS MEDIA STUDIES**

MMS 101	Mass Media	JL MC 101	3
MMS 122-185	By Title	CAREER/TECH	
MMS 225	Advanced Television Production	JL MC 2T**	3
MMS 234	Radio Workshop	JL MC 2T**	4
MMS 401-404	Multimedia Projects I-IV	CAREER/TECH	
MMS 941	Practicum	JL MC 2T**	2

**MOTORCYCLE TECHNOLOGY**

MOT 129-932	By Title	CAREER/TECH	
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**MARINE SERVICE TECHNOLOGY**

MSE 143-932	By Title	CAREER/TECH	
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**MASSAGE THERAPY**

MST 101-810	By Title	CAREER/TECH	
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COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS

### MUSIC - APPLIED

MUA 101	Applied Voice	MUSIC 1T**	1
MUA 119	Class Piano	MUSIC 1T**	1
MUA 120	Applied Piano	MUSIC 1T**	1
MUA 124	Applied Guitar	MUSIC 1T**	1
MUA 126	Applied Strings	MUSIC 1T**	1
MUA 128	Applied String Bass	MUSIC 1T**	1
MUA 150	Applied Tuba	MUSIC 1T**	1
MUA 152	Applied Bassoon	MUSIC 1T**	1
MUA 154	Applied Clarinet	MUSIC 1T**	1
MUA 156	Applied Flute	MUSIC 1T**	1
MUA 158	Applied French Horn	MUSIC 1T**	1
MUA 160	Applied Oboe	MUSIC 1T**	1
MUA 162	Applied Saxophone	MUSIC 1T**	1
MUA 164	Applied Trombone	MUSIC 1T**	1
MUA 166	Applied Trumpet	MUSIC 1T**	1
MUA 180	Applied Percussion	MUSIC 1T**	1

### GENERAL MUSIC

MUS 100	Music Appreciation	MUSIC 102	3
MUS 102	Music Fundamentals	MUSIC 1T**	3
MUS 120-121	Music Theory I, II	MUSIC 1T**	3 each
MUS 135-136	Music Theory Lab I, II	MUSIC 1T**	1 each
MUS 140	Concert Choir	MUSIC 1T**	1
MUS 145	Concert Band	MUSIC 1T**	1
MUS 149	Pep Band	MUSIC 1T**	1
MUS 153	Jazz Singers	MUSIC 1T**	1
MUS 155	Men's Chorus	MUSIC 1T**	1
MUS 156	Women's Chorus	MUSIC 1T**	1
MUS 166	Jazz Combo Improvisation	MUSIC 1T**	1
MUS 170	Jazz Band	MUSIC 1T**	1
MUS 175	Woodwind Ensemble	MUSIC 1T**	1
MUS 176	Brass Ensemble	MUSIC 1T**	1
MUS 177	Percussion Ensemble	MUSIC 1T**	1
MUS 178	Handbell Ensemble	MUSIC 1T**	1
MUS 190	Jazz Improvisation	MUSIC 1T**	1
MUS 203	History of American Music	MUSIC 2T**	3
MUS 205	Jazz History and Appreciation	MUSIC 2T**	3
MUS 220-221	Music Theory III, IV	MUSIC 2T**	3 each
MUS 235-236	Music Theory Lab III, IV	MUSIC 2T**	1 each
MUS 250	Musical Play Production	MUSIC 2T**	1

### COMPUTER NETWORKING

NET 122-142	By Title	CAREER/TECH	
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### PARTS DISTRIBUTION AND INVENTORY CONTROL

PAR 113-124	By Title	CAREER/TECH	
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### PHYSICAL EDUCATION ACTIVITIES

PEA 143	Physical Conditioning I	KIN 1T**	1
PEA 146	Physical Fitness I	KIN 163	1
PEA 187	Weight Training I	KIN 166	1

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COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS
<b><u>PHYSICAL EDUCATION ACTIVITIES, continued</u></b>			
PEA 244	Physical Conditioning II	KIN 2T**	1
PEA 246	Physical Fitness II	KIN 2T**	1
PEA 287	Weight Training II	KIN 2T**	1
PEA 292	Physical Conditioning III	KIN 2T**	1
PEA 294	Weight Training III	KIN 2T**	1
<b><u>COACHING/OFFICIATING</u></b>			
PEC 101	Introduction to Coaching	KIN 1T**	3
PEC 110	Coaching Ethics, Techniques, & Theory	KIN 1T**	1
PEC 115	Athletic Development and Human Growth	KIN 1T**	1
PEC 120	Body Structure and Function	KIN 1T**	1
PEC 126	Athletic Injury Prevention	A TR 1T**	2
PEC 128	Care and Prevention of Athletic Injuries	A TR 220	3
<b><u>GENERAL PHYSICAL EDUCATION AND HEALTH</u></b>			
PEH 102	Health	H S 110	3
PEH 141	First Aid	H S 105	2
PEH 225	Healthy Lifestyles Management	KIN 2T**	3
<b><u>PHYSICAL EDUCATION TRAINING</u></b>			
PET 105	Basic Athletic Training	A TR 1T**	3
PET 115	Introduction to Taping	A TR 1T**	2
PET 140-181	Athletic Training Experience I-IV	A TR 1T**	1 each
<b><u>INTERCOLLEGIATE PHYSICAL EDUCATION</u></b>			
PEV 110	Varsity Baseball, Fall	ATH 101	1
PEV 115	Varsity Baseball	ATH 101	1
PEV 121	Varsity Basketball, Men	ATH 101B	1
PEV 122	Varsity Basketball, Women	ATH 101C	1
PEV 140	Varsity Golf	ATH 101G	1
PEV 160	Varsity Softball	ATH 101K	1
PEV 165	Varsity Swimming	ATH 101	1
PEV 170	Varsity Volleyball	ATH 101R	1
PEV 210	Varsity Baseball II, Fall	ATH 101	1
PEV 221	Varsity Basketball II, Men	ATH 101B	1
PEV 222	Varsity Basketball II, Women	ATH 101C	1
PEV 240	Varsity Golf II	ATH 101G	1
PEV 260	Varsity Softball II	ATH 101K	1
PEV 270	Varsity Volleyball II	ATH 101R	1
<b><u>PHILOSOPHY</u></b>			
PHI 101	Introduction to Philosophy	PHIL 201	3
PHI 105	Introduction to Ethics	PHIL 230	3
<b><u>PHYSICAL SCIENCE</u></b>			
PHS 113	Introduction to Physical Science	SCI 1T**	4
PHS 142	Principles of Astronomy	ASTRO 1T**	3
PHS 166	Meteorology Weather Climate	MTEOR 206	4
PHS 185	Introduction to Earth Science	SCI 1T**	3
PHS 187	Introduction to Earth Science	SCI 1T**	4

IOWA LAKES COMMUNITY COLLEGE		IOWA STATE	
COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS
<b><u>PHYSICS</u></b>			
PHY 162	College Physics I	PHYS 131	3
		PHYS 131L	1
PHY 172	College Physics II	PHYS 132	3
		PHYS 132L	1
PHY 212	Classical Physics I	PHYS 231	4
		PHYS 231L	1
PHY 222	Classical Physics II	PHYS 232	4
		PHYS 232L	1
<b><u>PRACTICAL NURSING</u></b>			
PNN 105-136	By Title	CAREER/TECH	
<b><u>POLITICAL SCIENCE</u></b>			
POL 110	Introduction to Political Science	POL S 1T**	3
POL 111	American National Government	POL S 215	3
POL 112	American State and Local Government	POL S 1T**	3
POL 121	International Relations	POL S 1T**	3
POL 125	Comparative Politics and Government	POL S 241	3
<b><u>PSYCHOLOGY</u></b>			
PSY 111	Introduction to Psychology	PSYCH 101	3
PSY 121	Developmental Psychology	PSYCH 230	3
PSY 211	Psychology of Adjustment	PSYCH 2T**	3
PSY 222	Child Psychology	PSYCH 2T**	3
PSY 223	Child and Adolescent Psychology	PSYCH 2T**	3
PSY 224	Adolescent Psychology	PSYCH 2T**	3
PSY 241	Abnormal Psychology	PSYCH 2T**	3
PSY 251	Social Psychology	PSYCH 280	3
PSY 261	Human Sexuality	HD FS 276	3
PSY 281	Educational Psychology	PSYCH 2T**	3
<b><u>READING</u></b>			
RDG 031	Introduction to College Reading II		No Credit
RDG 120	College Reading	ENGL 1T**	1
<b><u>RELIGION</u></b>			
REL 101	Survey of World Religions	RELIG 205	3
<b><u>STUDENT DEVELOPMENT</u></b>			
SDV 061-075	By Title		No Credit
SDV 103	Successful Learning	PSYCH 131	1
SDV 106	Library Orientation	LIB 160	1
SDV 125	Workplace Readiness	XXX 1T**	1
SDV 131, 143	Career Exploration I, II	U ST 1T**	2 each
SDV 154	Successful Learning II	PSYCH 1T**	1
SDV 173	Introduction to Reasoning	XXX 1T**	2
SDV 175	Tools for Life	XXX 1T**	3
SDV 182, 185	By Title	U ST 1T**	2 each
SDV 191	Positive Psychology and Wellness	XXX 1T**	3
SDV 195	Student Government I	POL S 1T**	1
SDV 213	Coop Career Experience	XXX 2T**	2
SDV 240	Professional Seminar	XXX 2T**	1

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COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS
<b><u>SUSTAINABLE ENERGY RESOURCES</u></b>			
SER 101-230	By Title	CAREER/TECH	
<b><u>SOCIAL MEDIA AND MARKETING</u></b>			
SMM 100-210	By Title	CAREER/TECH	
<b><u>SOCIOLOGY</u></b>			
SOC 110	Introduction to Sociology	SOC 134	3
SOC 115	Social Problems	SOC 235	3
SOC 120	Marriage and Family	SOC 219	3
SOC 160	Introduction to Social Work	SOC 1T**	3
SOC 186	Contemporary Global Issues	S SCI 1T**	3
SOC 200	Minority Group Relations	SOC 2T**	3
SOC 220	Sociology of Aging	SOC 2T**	3
<b><u>SPEECH</u></b>			
SPC 101, 112	By Title	SP CM 212	3 each
SPC 122	Interpersonal Communications	COMST 211	3
<b><u>SURGICAL TECHNOLOGY</u></b>			
SUR 123-519	By Title	CAREER/TECH	
<b><u>WEB DEVELOPMENT</u></b>			
WDV 132	Mobile Application Development	CAREER/TECH	
<b><u>WELDING</u></b>			
WEL 121-334	By Title	CAREER/TECH	
<b><u>WIND ENERGY &amp; TURBINE TECHNOLOGY</u></b>			
WTT 104-946	By Title	CAREER/TECH	