

## ***Course Equivalency Guide***

between

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

and

**Iowa Western Community College**  
***www.iwcc.edu***

**Clarinda**  
**800-512-2073**

**Council Bluffs**  
**800-432-5852**

***Based on the Iowa Western Community College 2022-2023 General Catalog and the  
2022-2023 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 directly equivalent to the community college course, the Iowa State department and course number is listed.
- If there is not a course directly equivalent to the community college course, the department name is still listed with either a 1T\*\* or 2T\*\*. This shows it does transfer as either a freshman (1T\*\*) or 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 the course will transfer to Iowa State but will not be used toward graduation from Iowa State University.
- CAREER/TECH means 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.
- "No Credit" in the credit column indicates the course does not transfer to Iowa State University. In most cases, the course is developmental in nature.

IOWA WESTERN COMMUNITY COLLEGE	ISU EQUIVALENT	CREDITS
--------------------------------	----------------	---------

### ACCOUNTING

ACC 111	Introduction to Accounting	ACCT 1T**	3
ACC 121	Principles of Accounting I	ACCT 284	3
ACC 122	Principles of Accounting II	ACCT 285	3
ACC 161	Payroll Accounting	ACCT 1T**	3
ACC 211	Intermediate Accounting I	ACCT 2T**	3
ACC 221	Cost Accounting	ACCT 2T**	3
ACC 251	Governmental & Nonprofit Accounting	ACCT 2T**	3
ACC 261	Income Tax Accounting	ACCT 2T**	3
ACC 311	Computer Accounting	ACCT 2T**	3
ACC 932	Accounting Internship	CAREER/TECH	

### AGRICULTURE - AGRONOMY

AGA 165	Agricultural Fertilizers and Chemicals	AGRON 1T**	3
AGA 181	Introduction to Crop Science	AGRON 181	3
AGA 182	Introduction to Soil Science	AGRON 182	3
AGA 280	Crop Development, Production, & Management	AGRON 280	3
AGA 284	Pesticide Application Certification	ENT 283	3

### AGRICULTURE - FARM MANAGEMENT

AGB 101-211	By Title	CAREER/TECH	
AGB 235	Introduction to Agriculture Markets	ECON 235	3
AGB 330	Farm Business Management	ECON 230	3
AGB 331	Entrepreneurship in Agriculture	ECON 2T**	3
AGB 336	Agricultural Selling	ECON 236	3
AGB 437	Commodity Marketing	ECON 2T**	3
AGB 466	Agriculture Finance	ECON 2T**	3
AGB 804, 814	Agricultural Internship I, II	CAREER/TECH	

### AGRICULTURE - COMPREHENSIVE

AGC 215	Career Seminar	CAREER/TECH	
---------	----------------	-------------	--

### AGRICULTURE - PRECISION AG

AGP 333	Precision Farming Systems	TSM 2T**	3
AGP 456	Advanced Technology Applications	TSM 2T**	3
AGP 457	Agronomic Applic of Site Specific Mgmt	TSM 2T**	3

### AGRICULTURE - ANIMAL SCIENCE

AGS 113	Survey of the Animal Industry	AN S 114	3
AGS 226	Beef Cattle Science	AN S 226	3

### AGRICULTURE - VET TECHNOLOGY

AGV 100	Introduction to Veterinary Technology	CAREER/TECH	
*AGV 104	Veterinary Technology Anatomy & Physiology I	AN S 2T**	3
*AGV 108	Veterinary Technology Anatomy & Physiology II	AN S 2T**	3
AGV 110-806	By Title	CAREER/TECH	

*When AGV 104 and AGV 108 are both taken, the courses will transfer as AN S 214 (4) and AN S 214L (2).*

*Only applicable if courses were taken after Fall 2020.*

**\*updated January 12, 2023**

IOWA WESTERN COMMUNITY COLLEGE	ISU EQUIVALENT	CREDITS
--------------------------------	----------------	---------

### **ANTHROPOLOGY**

ANT 100	Introduction to Anthropology	ANTHR 1T**	3
ANT 105	Cultural Anthropology	ANTHR 201	3

### **APPAREL MECHANDISING**

APP 150	Clothing Selection	CAREER/TECH	
APP 210	Apparel Textiles	A M D 1T**	3

### **ART**

ART 101	Art Appreciation	ART 1T**	3
ART 120	2-D Design	ART 1T**	3
ART 123	3-D Design	ART 1T**	3
ART 125-126	Digital Media I, II	ART 1T**	3 each
ART 131, 134	Drawing I, II	ART 1T**	3 each
ART 143	Painting I	ART 1T**	3
ART 151	Design I	ART 1T**	3
ART 184	Photography I	ART 1T**	3
ART 196	Studio Practices I	ART 1T**	3
ART 203	Art History I	ART H 280	3
ART 204	Art History II	ART H 281	3

### **ROBOTICS**

ATR 113-170	By Title	CAREER/TECH	
-------------	----------	-------------	--

### **AUTOMOTIVE**

AUT 114-951	By Title	CAREER/TECH	
-------------	----------	-------------	--

### **AVIATION**

AVM 120-194	By Title	CAREER/TECH	
-------------	----------	-------------	--

### **BUSINESS COMPUTER APPLICATIONS**

BCA 142-212	By Title	CAREER/TECH	
-------------	----------	-------------	--

### **BIOLOGICAL SCIENCES**

BIO 105	Introductory Biology	BIOL 101	4
BIO 112	General Biology I	BIOL 2T**	4
BIO 113	General Biology II	BIOL 2T**	4

*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).*

BIO 125	Plant Biology	BIOL 1T**	4
BIO 151	Nutrition	FS HN 167	3
BIO 157	Human Biology	BIOL 155	4
BIO 168	Human Anatomy & Physiology I w/Labs	BIOL 1T**	4
BIO 173	Human Anatomy & Physiology II w/Labs	BIOL 1T**	4

*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).*

BIO 186	Microbiology	MICRO 201	3
	Microbiology Lab	MICRO 201L	1
BIO 209-211	By Title	CAREER/TECH	

IOWA WESTERN COMMUNITY COLLEGE	ISU EQUIVALENT	CREDITS
--------------------------------	----------------	---------

### **BIOLOGY, continued**

BIO 908	Cooperative Education	SCI 2T**	1-6
BIO 927	Honors Study	BIOL 2T**	2

### **BUSINESS ADMINISTRATION**

BUS 102	Introduction to Business	BUSAD 1T**	3
BUS 105	Accounting & Business Professional Dev	CAREER/TECH	
BUS 121	Business Communications	ENGL 1T**	3
BUS 154	E-business	MKT 1T**	3
BUS 161	Human Relations	MGMT 2T**	3
BUS 185	Business Law I	ACCT 215	3
BUS 186	Business Law II	ACCT 2T**	3
BUS 210	Business Statistics	STAT 226	3
BUS 280	Fundamentals of Lean Process Improvement	CAREER/TECH	
BUS 908	Cooperative Education	BUSAD 2T**	1-6

### **CHEMISTRY**

CHM 122	Introduction to General Chemistry	CHEM 163	3
	Introduction to General Chemistry Lab	CHEM 163L	1
CHM 132	Introduction to Organic and Biochemistry	BBMB 2T**	4
CHM 166	General Chemistry I	CHEM 177	4
	General Chemistry I Lab	CHEM 177L	1
CHM 176	General Chemistry II	CHEM 178	4
	General Chemistry II Lab	CHEM 178L	1
CHM 263	Organic Chemistry I	CHEM 331	3
	Organic Chemistry I Lab	CHEM 333L	2
CHM 273	Organic Chemistry II	CHEM 332	3
	Organic Chemistry II Lab	CHEM 334L	2

### **COMPUTER-AIDED DRAFTING**

CAD 129-933	By Title	CAREER/TECH	
-------------	----------	-------------	--

### **COMPUTER NETWORKING**

NET 142-810	By Title	CAREER/TECH	
-------------	----------	-------------	--

### **COMPUTER PROGRAMMING**

CIS 121-158	By Title	CAREER/TECH	
CIS 171	Java	COM S 1T**	3
CIS 175	Java II	COM S 1T**	3
CIS 187-780	By Title	CAREER/TECH	

### **COMPUTER SCIENCE**

CSC 110	Introduction to Computers	COM S 103	3
CSC 114	Introduction to Information Technology	COM S 1T**	3
CSC 116	Information Computing	COM S 113	3
CSC 121	Operating Systems	COM S 1T**	3

### **CONSTRUCTION/CONSTRUCTION TECHNOLOGY**

CET 139-240	By Title	CAREER/TECH	
CON 114-426	By Title	CAREER/TECH	

### CRIMINAL JUSTICE

CRJ 100	Introduction to Criminal Justice	C J 240	3
CRJ 111	Police and Society	C J 1T**	3
CRJ 120	Introduction to Corrections	C J 1T**	3
CRJ 130	Criminal Law	C J 1T**	3
CRJ 133	Constitutional Criminal Procedures	C J 1T**	3
CRJ 142	Criminalistics	C J 1T**	3
CRJ 160	Introduction to Forensic Investigation	C J 1T**	3
CRJ 240	Criminal Investigation	C J 2T**	3
CRJ 258	Ethical Issues in Criminal Justice	C J 2T**	3
CRJ 260	Medicolegal Death Investigation	C J 2T**	3
CRJ 290	Criminal Justice Cooperative Education	C J 2T**	3
CRJ 291	Forensic Investigation Cooperative Education	C J 2T**	3

### DANCE

DAN 105	Dance I	DANCE 1T**	2
DAN 106	Dance II	DANCE 1T**	2
DAN 107	Dance III	DANCE 1T**	2
DAN 115	Hip Hop and Modern Dance	DANCE 1T**	2

### DENTAL ASSISTANT

DEA 253-933	By Title	CAREER/TECH	
-------------	----------	-------------	--

### DENTAL HYGIENE

DHY 114-304	By Title	CAREER/TECH	
-------------	----------	-------------	--

### DRAMA - FILM & THEATRE

DRA 101	Introduction to Theatre	THTRE 106	3
DRA 130	Acting I	THTRE 251	3
DRA 132	Acting II	THTRE 1T**	3
DRA 162	Technical Theatre	THTRE 255	3
DRA 180-181	Theatre Lab I, II	THTRE 1T**	1 each
DRA 187	The Business of Being a Performing Artist	THTRE 1T**	3
DRA 225-227	Musical Theater Performance I-III	THTRE 2T**	3 each
DRA 280-281	Theatre Lab III, IV	THTRE 2T**	1 each
DRA 305	Introduction to Audio	THTRE 2T**	3

### DIESEL TECHNOLOGY

DSL 144-896	By Title	CAREER/TECH	
-------------	----------	-------------	--

### EARLY CHILDHOOD EDUCATION

ECE 103	Introduction to Early Childhood Education	HD FS 1T**	3
ECE 120	Communication With Families	CAREER/TECH	
ECE 133	Child Health, Safety and Nutrition	HD FS 1T**	3
ECE 153	Early Childhood Curriculum I with Lab	HD FS 1T**	4
ECE 156	Early Childhood Curriculum II with Lab	HD FS 1T**	4
ECE 170	Child Growth and Development	HD FS 1T**	3
ECE 221	Infant/Toddler Care and Education	HD FS 2T**	3
ECE 244	Early Childhood Guidance with Lab	HD FS 2T**	4
ECE 258-268	By Title	CAREER/TECH	
ECE 287	Exceptional Learner	SP ED 250	3
ECE 290	Early Childhood Program Administration	CAREER/TECH	

IOWA WESTERN COMMUNITY COLLEGE	ISU EQUIVALENT	CREDITS
--------------------------------	----------------	---------

### **ECONOMICS**

ECN 120	Principles of Macroeconomics	ECON 102	3
ECN 130	Principles of Microeconomics	ECON 101	3

### **EDUCATION**

EDU 210	Foundations of Education	EDUC 204	3
EDU 219	Field Experience and Seminar	EDUC 2T**	1
EDU 235	Children's Literature	HD FS 240	3
EDU 240	Educational Psychology	PSYCH 333	3
EDU 245	Exceptional Learner	SP ED 250	3
EDU 255	Technology in the Classroom	EDUC 201	3

### **ELECTRICAL TECHNOLOGY**

ELE 155-326	By Title	CAREER/TECH	
-------------	----------	-------------	--

### **ELECTRONIC ENGINEERING TECHNOLOGY**

ELT 196-850	By Title	CAREER/TECH	
-------------	----------	-------------	--

### **ENGINEERING**

EGR 100	Engineering Orientation	ENGR 1T**	1
EGR 160	Engineering I	ENGR 170	3
EGR 165	Engineering II	ENGR 160	3

### **ENGINEERING TECHNOLOGY**

EGT 113-184	By Title	CAREER/TECH	
-------------	----------	-------------	--

### **ENGLISH COMPOSITION/COMMUNICATION**

ENG 084	College Preparatory Writing		No Credit
ENG 105	Composition I	ENGL 150	3
ENG 106	Composition II	ENGL 250	3
ENG 110	Writing For The Workplace	CAREER/TECH	

### **ENVIRONMENTAL SCIENCE**

ENV 102	Introduction to Sustainability	ENV S 1T**	3
ENV 111	Environmental Science	BIOL 173	4

### **ENGLISH AS A SECOND LANGUAGE (ESL)**

ESL 054-061	By Title		No Credit
-------------	----------	--	-----------

### **FINANCE**

FIN 121	Personal Finance	HD FS 283	3
FIN 142	Corporate Finance	FIN 1T**	3

### **FIRE SCIENCE TECHNOLOGY**

FIR 101-321	By Title	CAREER/TECH	
-------------	----------	-------------	--

### **FOREIGN LANGUAGE**

FLS 141	Elementary Spanish I	SPAN 101	4
---------	----------------------	----------	---

### **GEOGRAPHY**

GEO 121	World Regional Geography	S SCI 1T**	3
---------	--------------------------	------------	---

**GRAPHIC COMMUNICATIONS**

GRA 104-173 By Title CAREER/TECH

**CULINARY ARTS, RESTAURANT AND HOSPITALITY MANAGEMENT**

HCM 100	Sanitation and Safety	HSP M 1T**	2
HCM 111	Principles of Baking I	HSP M 1T**	2
HCM 112-223	By Title	CAREER/TECH	
HCM 230	Nutrition and Wellness	FS HN 2T**	3
HCM 240	Menu Planning and Design	HSP M 2T**	2
HCM 197-273	By Title	CAREER/TECH	
HCM 278	Cost Control	HSP M 1T**	2
HCM 310	Hospitality Law	CAREER/TECH	
HCM 330	Hospitality Personnel Management	HSP M 1T**	3
HCM 343-598	By Title	CAREER/TECH	

**HVAC/R TECHNOLOGY**

HCR 103-458 By Title CAREER/TECH

**HISTORY**

HIS 110	Western Civilization Ancient to Early Modern	HIST 201	3
HIS 111	Western Civilization Early 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 251	U.S. History 1945 to Present	HIST 2T**	3
HIS 253	American Indian History and Culture	HIST 2T**	3
HIS 257	African American History	HIST 2T**	3
HIS 281	Local History	HIST 2T**	3

**HEALTH SCIENCE**

HSC 113-272 By Title CAREER/TECH

**HUMAN SERVICES**

HSV 109	Introduction to Human Services	SOC 1T**	3
HSV 115	Agency and Community Resources	HD FS 1T**	3
HSV 132	Fundamentals of Case Management	SOC 1T**	3
HSV 140	Social Work and Social Welfare	SOC 1T**	3
HSV 180	Ethics for Human Service Professionals	SOC 1T**	1
HSV 190	Youth Care Issues	SOC 1T**	3
HSV 225	Counseling Techniques	PSYCH 2T**	3
HSV 226	Fundamentals of Family Counseling	HD FS 2T**	3
HSV 228	Group Counseling Techniques	PSYCH 2T**	3
HSV 259	Introduction to Chemical Dependency	PSYCH 2T**	3
HSV 275	Human Services Capstone	SOC 2T**	1
HSV 802	Internship	SOC 2T**	2-6

**HUMANITIES**

HUM 122	American Film	HUM 1T**	3
HUM 287	Leadership Development Studies	LD ST 2T**	3

**INDUSTRIAL ENGINEERING TECHNOLOGY**

IND 109-930 By Title CAREER/TECH

**JOURNALISM**

JOU 110	Introduction to Mass Media	JL MC 101	3
JOU 211	Ethics in the Media	JL MC 2T**	3

**LASER ELECTRO-OPTICS TECHNOLOGY**

LEO 230-450	By Title	CAREER/TECH	
-------------	----------	-------------	--

**LITERATURE**

LIT 101	Introduction to Literature	ENGL 201	3
LIT 130	African American Literature	ENGL 2T**	3
LIT 134	Multicultural Literature	ENGL 2T**	3
LIT 140	British Literature I	ENGL 225	3
LIT 141	British Literature II	ENGL 226	3
LIT 160	Short Story/Novel	ENGL 2T**	3

**MEDICAL ASSISTANT**

MAP 123-612	By Title	CAREER/TECH	
-------------	----------	-------------	--

**MATHEMATICS**

MAT 057-068	By Title		No Credit
MAT 102	Intermediate Algebra	MATH 100Z	4
<i>Transfer credit in MATH 100Z does not count toward graduation.</i>			

MAT 114	Elementary Educators Math I	MATH 195	3
MAT 121	College Algebra	MATH 140	4
MAT 129	Precalculus	MATH 143	5
MAT 130	Trigonometry	MATH 1T**	3
MAT 157	Statistics	STAT 101	4
MAT 211	Calculus I	MATH 165	5
MAT 217	Calculus II	MATH 166	5
MAT 220	Calculus III	MATH 265	5
MAT 225	Differential Equations	MATH 2T**	3
MAT 227	Differential Equations w/Laplace Transforms	MATH 267	4
MAT 711-766	By Title	CAREER/TECH	
MAT 908	Cooperative Education	MATH 2T**	1-6

**MANUFACTURING**

MFG 121-420	By Title	CAREER/TECH	
-------------	----------	-------------	--

**MANAGEMENT AND HUMAN RESOURCES**

MGT 101	Principles of Management	MGMT 2T**	3
MGT 130	Principles of Supervision	CAREER/TECH	
MGT 138	Employee Evaluation & Training Techniques	MGMT 2T**	3
MGT 165	Principles of Quality	CAREER/TECH	
MGT 170	Human Resource Management	MGMT 2T**	3
MGT 175	Introduction to Law for Managers & Supervisors	CAREER/TECH	
MGT 180	Management and Labor Relations	MGMT 2T**	3
MGT 190	Employee Compensation & Benefits Mgmt	MGMT 2T**	3
MGT 195-932	By Title	CAREER/TECH	



IOWA WESTERN COMMUNITY COLLEGE	ISU EQUIVALENT	CREDITS
--------------------------------	----------------	---------

### **MILITARY AND ROTC**

MIL 100	Foundations of the U.S. Air Force I	AFAS 1T**	1
MIL 101	Foundations of the U.S. Air Force II	AFAS 1T**	1
MIL 107	Leadership Laboratory		No Credit
MIL 119	Introduction to Critical Thinking and the Army I	M S 1T**	2
MIL 120	Introduction to Critical Thinking and the Army II	M S 1T**	2
MIL 124	Leadership Laboratory		No Credit
MIL 200, 201	Evolution of USAF Air & Space I & II	AFAS 2T**	1 each
MIL 216	Leadership Laboratory II		No Credit
MIL 221	Basic Individual Leadership Techniques	M S 2T**	2
MIL 222	Advanced Individual Leadership Techniques	M S 2T**	2

### **MARKETING**

MKT 110	Principles of Marketing	MKT 2T**	3
MKT 140	Principles of Selling	MKT 2T**	3
MKT 150	Principles of Advertising	ADVRT 2T**	3
MKT 154	Visual Merchandising	A M D 2T**	3
MKT 163	Merchandising	MKT 2T**	3
MKT 165	Retail Management	MGMT 2T**	3
MKT 184	Customer Service	CAREER/TECH	
MKT 185	Marketing Internship I	MKT 2T**	2
MKT 189	Marketing Internship II	MKT 2T**	2
MKT 190	International Marketing	MKT 2T**	3
MKT 191	Seminar I: Career Options	MKT 2T**	1
MKT 193	Seminar II	CAREER/TECH	
MKT 198	Sports Marketing	MKT 2T**	3
MKT 300	Sports Marketing Internship	MKT 2T**	1-18

### **MEDIA STUDIES**

MMS 105	Audio Production	JL MC 1T**	3
MMS 107	Sports Field Production	CAREER/TECH	
MMS 113	Introduction to Media Production	JL MC 1T**	3
MMS 114	Media Production II	JL MC 1T**	3
MMS 123	Electronic Media Performance	JL MC 1T**	3
MMS 134	Media Writing	JL MC 1T**	3
MMS 152	Spring Sports Announcing	CAREER/TECH	
MMS 186	Digital Media Analytics	JL MC 1T**	3
MMS 204	New Media Production	JL MC 2T**	3
MMS 205-216	By Title	CAREER/TECH	
MMS 231	Advanced Video Production I	JL MC 2T**	3
MMS 296	Video Practicum I	JL MC 2T**	1
MMS 297-309	By Title	CAREER/TECH	
MMS 311	Podcasting	JL MC 2T**	3
MMS 312	Photojournalism	JL MC 2T**	3
MMS 313-315	Digital Communication Arts Practicum I-III	CAREER/TECH	
MMS 316	Broadcasting and Streaming Online	JL MC 2T**	3
MMS 317	Digital Content Creation	JL MC 2T**	3
MMS 338-933	By Title	CAREER/TECH	

### **APPLIED MUSIC**

MUA 133	Applied Music Composition	MUSIC 1T**	2
MUA 153	Applied Woodwinds	MUSIC 1T**	2

**APPLIED MUSIC, continued**

MUA 185	Applied Music Technology	MUSIC 1T**	2
MUA 400-401	Applied Voice I-II	MUSIC 1T**	2 each
MUA 402-403	Applied Voice III-IV	MUSIC 2T**	2 each
MUA 410-411	Applied Piano I-II	MUSIC 1T**	2 each
MUA 412-413	Applied Piano III-IV	MUSIC 2T**	2 each
MUA 415-416	Applied Bassoon I-II	MUSIC 1T**	2 each
MUA 417-418	Applied Bassoon III-IV	MUSIC 2T**	2 each
MUA 420-421	Applied Guitar I-II	MUSIC 1T**	2 each
MUA 422-423	Applied Guitar III-IV	MUSIC 2T**	2 each
MUA 425-426	Applied Euphonium I-II	MUSIC 1T**	2 each
MUA 427-428	Applied Euphonium III-IV	MUSIC 2T**	2 each
MUA 430-431	Applied String Bass I-II	MUSIC 1T**	2 each
MUA 432-433	Applied String Bass III-IV	MUSIC 2T**	2 each
MUA 435-436	Applied French Horn I-II	MUSIC 1T**	2 each
MUA 437-438	Applied French Horn III-IV	MUSIC 2T**	2 each
MUA 440-441	Applied Clarinet I-II	MUSIC 1T**	2 each
MUA 442-443	Applied Clarinet III-IV	MUSIC 2T**	2 each
MUA 445-446	Applied Oboe I-II	MUSIC 1T**	2 each
MUA 447-448	Applied Oboe III-IV	MUSIC 2T**	2 each
MUA 450-451	Applied Flute I-II	MUSIC 1T**	2 each
MUA 452-453	Applied Flute III-IV	MUSIC 2T**	2 each
MUA 455-456	Applied Tuba I-II	MUSIC 1T**	2 each
MUA 457-458	Applied Tuba III-IV	MUSIC 2T**	2 each
MUA 460-461	Applied Saxophone I-II	MUSIC 1T**	2 each
MUA 462-463	Applied Saxophone III-IV	MUSIC 2T**	2 each
MUA 470-471	Applied Trombone I-II	MUSIC 1T**	2 each
MUA 472-473	Applied Trombone III-IV	MUSIC 2T**	2 each
MUA 480-481	Applied Trumpet I-II	MUSIC 1T**	2 each
MUA 482-483	Applied Trumpet III-IV	MUSIC 2T**	2 each
MUA 490-491	Applied Percussion I-II	MUSIC 1T**	2 each
MUA 492-493	Applied Percussion III-IV	MUSIC 2T**	2 each

**MUSIC**

MUS 100	Music Appreciation	MUSIC 102	3
MUS 102	Music Fundamentals	MUSIC 101	3
MUS 109, 114	Jazz Combo I, II	MUSIC 1T**	1 each
MUS 124	Instrumental Jazz Ensemble I	MUSIC 1T**	1
MUS 134	Concert Choir I	MUSIC 1T**	1
MUS 137	Concert Band I	MUSIC 1T**	1
MUS 141, 142	Concert Choir II, III	MUSIC 1T**	1 each
MUS 182-184	Instrumental Jazz Ensemble II-IV	MUSIC 1T**	1 each
MUS 185-188	Class Piano I-IV	MUSIC 1T**	1 each
MUS 204	History of Rock and Roll	MUSIC 2T**	3
MUS 213, 224	Men's Ensemble I, II	MUSIC 2T**	1 each
MUS 232, 234	Jazz Combo III, IV	MUSIC 2T**	1 each
MUS 238	Men's Ensemble III	MUSIC 2T**	1
MUS 240	Concert Choir IV	MUSIC 2T**	1
MUS 245	Concert Band II	MUSIC 2T**	1
MUS 248	Men's Ensemble IV	MUSIC 2T**	1
MUS 277	Jazz Lab Band	MUSIC 2T**	1
MUS 305	Introduction to Audio	MUSIC 1T**	3

**MUSIC, continued**

MUS 306, 307	Digital Audio Production I, II	MUSIC 1T**	3 each
MUS 310-311	Recording Project I-II	MUSIC 1T**	1 each
MUS 312	Recording Project III	MUSIC 2T**	1
MUS 320-328	By Title	CAREER/TECH	
MUS 330-331	Audio Mixing I-II	MUSIC 1T**	3 each
MUS 333	Popular Music Analysis	MUSIC 2T**	3
MUS 335	Audio Mastering	CAREER/TECH	
MUS 350-351	Percussion Ensemble I-II	MUSIC 1T**	1 each
MUS 352-353	Percussion Ensemble III-IV	MUSIC 2T**	1 each
MUS 360-361	Women's Ensemble I-II	MUSIC 1T**	1 each
MUS 362-363	Women's Ensemble III-IV	MUSIC 2T**	1 each
MUS 370-371	Marching Band I-II	MUSIC 1T**	1 each
MUS 385-386	Winter Guard I-II	MUSIC 1T**	1 each
MUS 390-391	Show Choir I-II	MUSIC 1T**	1 each
MUS 392-393	Show Choir III-IV	MUSIC 2T**	1 each
MUS 398	Recording for Songwriters and Producers	MUSIC 2T**	3
MUS 399	Music Creation for Contemporary Production	MUSIC 2T**	3
MUS 400	Music in Theory and Practice I	MUSIC 101	3
MUS 401	Music in Theory and Practice II	MUSIC 224	3
MUS 402-403	Music in Theory and Practice III-IV	MUSIC 2T**	3 each
MUS 410-411	Ear Training and Sight Singing I-II	MUSIC 1T**	1 each
MUS 412-413	Ear Training and Sight Singing III-IV	MUSIC 2T**	1 each
MUS 430	Woodwind Ensemble I	MUSIC 1T**	1
MUS 433	Woodwind Ensemble IV	MUSIC 2T**	1
MUS 434-435	Brass Ensemble I-II	MUSIC 1T**	1 each
MUS 436-437	Brass Ensemble III-IV	MUSIC 2T**	1 each
MUS 440-441	Chamber Choir I-II	MUSIC 1T**	1 each
MUS 442-443	Chamber Choir III-IV	MUSIC 2T**	1 each
MUS 444-445	Fall Pep Band I-II	MUSIC 1T**	1 each
MUS 446-447	Spring Pep Band I-II	MUSIC 1T**	1 each
MUS 451-452	Woodwind Ensemble II-III	MUSIC 2T**	1 each
MUS 936	Audio Engineering Internship	MUSIC 2T**	2

**PHYSICAL EDUCATION AND WELLNESS**

PEA 162-177	Speed and Conditioning I-II	KIN 1T**	1 each
PEA 187	Weight Training I	KIN 166	1
PEA 287	Weight Training II	KIN 2T**	1
PEC 101	Introduction to Coaching	KIN 1T**	3
PEC 161	Sports Officiating	KIN 1T**	3
PEC 230	Introduction to Sports Medicine	KIN 2T**	3
PEC 231	Theory and Principles of Recreational Sport	KIN 2T**	3
PEH 102	Health	H S 110	3
PEH 130	CPR and First Aid in the Workplace	H S 1T**	1
PEH 142	First Aid	H S 105	3
PEH 170	Principles of Weight Training	KIN 166	3
PEH 908	Cooperative Education	KIN 2T**	1-6
PET 230	Care & Prevention of Athletic Injuries	A TR 220	3
PET 240	Taping and Bracing	A TR 2T**	2
PEV 105-109	Varsity Sports Participation I-II	ATH 101	1 each
PEV 185-187	Progressive Resistance Training I-II	KIN 1T**	1 each

### **PHILOSOPHY**

PHI 101	Introduction to Philosophy	PHIL 201	3
PHI 105	Introduction to Ethics	PHIL 230	3
PHI 142	Ethics in Business	PHIL 1T**	3
PHI 211	Ethics in the Media	JL MC 2T**	3

### **PHYSICAL SCIENCE**

PHS 141	Dinosaurs	GEOL 1T**	4
PHS 142	Principles of Astronomy	ASTRO 120	3
PHS 143	Principles of Astronomy Lab	ASTRO 125L	1
PHS 160	Introduction to Oceanography	GEOL 108	3
PHS 165	Introduction to Meteorology	MTEOR 206	3
PHS 172	Physical Geology	GEOL 100	3
	Physical Geology Lab	GEOL 100L	1
PHS 187	Introduction to Earth Science with Lab	SCI 1T**	4

### **PHYSICS**

PHY 156	General Physics I	PHYS 131	4
PHY 157	General Physics I Lab	PHYS 131L	1
PHY 210	Classical Physics I - Calculus Based	PHYS 231	4
PHY 211	Classical Physics I Lab	PHYS 231L	1
PHY 220	Classical Physics II - Calculus Based	PHYS 232	4
PHY 221	Classical Physics II Lab	PHYS 232L	1
PHY 715	Technical Physics I	CAREER/TECH	

### **PLUMBING**

PLU 101-198	By Title	CAREER/TECH	
-------------	----------	-------------	--

### **NURSING**

ADN 106-831	By Title	CAREER/TECH	
PNN 201-723	By Title	CAREER/TECH	

### **POLITICAL SCIENCE**

POL 111	American National Government	POL S 111	3
POL 112	American State and Local Government	POL S 2T**	3
POL 121	International Relations	POL S 121	3
POL 201	The U.S. Constitution	POL S 2T**	3

### **PARALEGAL AND LEGAL STUDIES**

PRL 101	Paralegal Studies Orientation	C J 1T**	3
PRL 115	Legal Research and Writing	C J 1T**	4
PRL 126	Evidence	C J 1T**	3
PRL 131	Torts and Litigation I	C J 1T**	3
PRL 161	Family Law	C J 1T**	3
PRL 168	Property/Probate	C J 1T**	3
PRL 281	Legal Ethics	C J 2T**	2
PRL 933	Internship	C J 2T**	3

### **PSYCHOLOGY**

PSY 111	Introduction to Psychology	PSYCH 101	3
PSY 113	Personality and Adjustment	PSYCH 1T**	3
PSY 121	Developmental Psychology	PSYCH 230	3

**PSYCHOLOGY, continued**

PSY 210	Sport and Exercise Psychology	KIN 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	EDUC 332	3
PSY 293	Issues in Psychology	PSYCH 2T**	3

**PHYSICAL THERAPY ASSISTANT**

PTA 102-414	By Title	CAREER/TECH	
-------------	----------	-------------	--

**RELIGION**

REL 101	Survey of World Religions	RELIG 205	3
---------	---------------------------	-----------	---

**STUDENT DEVELOPMENT**

SDV 140	College Success Skills Eng Language Learners	XXX 1T**	3
WBL 100-110	By Title	CAREER/TECH	

**SUSTAINABLE ENERGY RESOURCES**

SER 118-195	By Title	CAREER/TECH	
-------------	----------	-------------	--

**SOCIOLOGY**

SOC 110	Introduction to Sociology	SOC 134	3
SOC 115	Social Problems	SOC 235	3
SOC 120	Marriage and Family	SOC 219	3
SOC 198	The Middle East	S SCI 1T**	3
SOC 200	Minority Group Relations	SOC 2T**	3
SOC 210	Men, Women and Society	SOC 2T**	3
SOC 230	Juvenile Delinquency	SOC 241	3
SOC 235	Gangs	SOC 2T**	3
SOC 240	Criminology	C J 242	3
SOC 250	Sociology of Deviance	SOC 2T**	3
SOC 261	Human Sexuality	HD FS 276	3
SOC 908	Cooperative Education	S SCI 2T**	1-6

**SPEECH**

SPC 112	Public Speaking	SP CM 212	3
SPC 120	Intercultural Communications	COMST 1T**	3
SPC 122	Interpersonal Communication	COMST 102	3
SPC 170	Professional Communication	COMST 214	3

**SURGICAL TECHNOLOGY**

SUR 130-524	By Title	CAREER/TECH	
-------------	----------	-------------	--

**TRUCK DRIVER TRAINING**

TDT 140	Driver Training CDL	CAREER/TECH	
---------	---------------------	-------------	--

**UTILITIES**

UTL 108-308	By Title	CAREER/TECH	
-------------	----------	-------------	--

**WEB DEVELOPMENT**

WDV 121-133 By Title

CAREER/TECH

**WELDING**

WEL 117-301 By Title

CAREER/TECH

**WIND ENERGY AND TURBINE TECHNOLOGY**

WTT 103-202 By Title

CAREER/TECH