

DES MOINES AREA COMMUNITY COLLEGE		IOWA STATE	
COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS

### **ACCOUNTING**

ACC 111	Intro to Accounting	ACCT 1T**	3
ACC 124	Accounting Professionalism	CAREER/TECH	
ACC 131	Principles of Accounting I	ACCT 284	4
ACC 132	Principles of Accounting II	ACCT 285	4
ACC 161-193	By Title	CAREER/TECH	
ACC 222	Cost Accounting	ACCT 2T**	4
ACC 231	Intermediate Accounting I	ACCT 2T**	4
ACC 232	Intermediate Accounting II	ACCT 2T**	4
ACC 241	Treasury & Cash Management	CAREER/TECH	
ACC 251	Gov't & Nonprofit Accounting	ACCT 2T**	3
ACC 261	Income Tax Accounting	ACCT 2T**	3
ACC 268-946	By Title	CAREER/TECH	

### **ADMINISTRATIVE ASSISTANT**

ADM 105-937	By Title	CAREER/TECH	
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### **ASSOCIATE DEGREE NURSING**

ADN 126-821	By Title	CAREER/TECH	
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### **AGRICULTURE - AGRONOMY**

AGA 114	Principles of Agronomy	AGRON 114	3
AGA 129	Intro to Sustainable Agriculture	AGRON 2T**	3
AGA 154	Fundamentals of Soil Science	AGRON 154	3
AGA 157	Soil Fertility	AGRON 1T**	1
AGA 211	Grain and Forage Crops	AGRON 2T**	3
AGA 222	Grain Management	TSM 2T**	2
AGA 284	Pesticide Application Certification	ENT 283	3
AGA 381	Crop Scouting	AGRON 2T**	3

### **AGRICULTURE - FARM MANAGEMENT-BUSINESS**

AGB 101	Agricultural Economics	ECON 101	3
AGB 235	Intro to Agricultural Markets	ECON 2T**	3
AGB 330	Farm Business Management	ECON 3T**	3
AGB 331	Agribusiness Management	ECON 3T**	3
AGB 440	Agricultural Niche Marketing	ECON 2T**	3
AGB 802	Agribusiness Internship I	ECON 3T**	2
AGB 812	Agribusiness Internship II	ECON 3T**	2

### **AGRICULTURE - COMPREHENSIVE- MISCELLANEOUS**

AGC 314	Leadership in Agriculture	AGEDS 2T**	2
AGC 420	Agricultural Issues	GLOBE 220	3

### **AGRICULTURE - HORTICULTURE**

AGH 103,104	Floral Design I, II	CAREER/TECH	
AGH 111	Intro to Turfgrass Management	HORT 1T**	2
AGH 120	Herbaceous Plant Materials	HORT 2T**	3
AGH 123	Woody Plant Materials	HORT 240	3
AGH 132	Introduction to Greenhouse	HORT 2T**	3
AGH 133, 142	By Title	CAREER/TECH	
AGH 146	Soil Science for Horticulture	AGRON 155	3
AGH 147	Soil Fertility for Horticulture	AGRON 1T**	1

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<b><u>AGRICULTURE - HORTICULTURE, continued</u></b>			
AGH 154	Residential Landscape Design	HORT 3T**	3
AGH 155	Landscape Design II	HORT 3T**	2
AGH 159	Landscape Drafting	HORT 1T**	2
AGH 160	Irrigation Systems	CAREER/TECH	
AGH 211	Advanced Turfgrass Management	HORT 3T**	3
AGH 221	Principles of Horticulture	HORT 221	3
AGH 233	Plant Propagation I	HORT 322	3
AGH 241	Sports Turf	CAREER/TECH	
AGH 251	Insects and Diseases	HORT 1T**	2
AGH 262	Fruit and Vegetable Science	CAREER/TECH	
AGH 272	Nursery Production I	HORT 2T**	3
AGH 281	Arboriculture	HORT 1T**	3
AGH 283	Pesticide Application Certification	HORT 283	2
AGH 292	Garden Center Management	HORT 1T**	3
AGH 805-815	By Title	CAREER/TECH	
<b><u>AGRICULTURE - MECHANICS</u></b>			
AGM 336	Alternative Energy in Agriculture	TSM 2T**	3
<b><u>AGRICULTURE - PRECISION AG</u></b>			
AGP 333	Precision Agriculture Applications	TSM 2T**	3
<b><u>AGRICULTURE - ANIMAL SCIENCE</u></b>			
AGS 113	Survey of the Animal Industry	AN S 114	3
AGS 222	Survey of Aquaculture Industry	CAREER/TECH	
AGS 225	Swine Science	AN S 3T**	3
AGS 226	Beef Cattle Science	AN S 3T**	3
AGS 242	Animal Health	AN S 2T**	3
AGS 245	Introduction to Animal Disease	CAREER/TECH	
AGS 319	Animal Nutrition	AN S 2T**	3
AGS 323	Animal Nutrition II	AN S 3T**	3
AGT 120	Agricultural Application in Biotechnology	TSM 1T**	3
<b><u>AGRICULTURE - VET TECH</u></b>			
AGV 120	Veterinary Medical Terminology	AN S 1T**	1
AGV 124	Intro to Veterinary Technology	AN S 1T**	1
AGV 129	Veterinary Physiology	CAREER/TECH	
AGV 133	Veterinary Clinic Pathology I	AN S 1T**	3
AGV 134	Veterinary Clinic Pathology II	AN S 2T**	3
AGV 138	Clinical Pathology Lab	CAREER/TECH	
AGV 139	Intro to Veterinary Pharmacology	AN S 1T**	1
AGV 140	Veterinary Pharmacology	AN S 1T**	3
AGV 141-151	By Title	CAREER/TECH	
AGV 160	Anesthesia/Surgical Assistance	AN S 1T**	4
AGV 164-165	By Title	CAREER/TECH	
AGV 166	Veterinary Nursing Care	AN S 2T**	3
AGV 172-932	By Title	CAREER/TECH	
<b><u>ANTHROPOLOGY</u></b>			
ANT 100	Introduction to Anthropology	ANTHR 1T**	3
ANT 105	Cultural Anthropology	ANTHR 201	3

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COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS

**ANTHROPOLOGY, continued**

ANT 110	Faces of Culture	ANTHR 201	3
ANT 125	Applications of Anthropology	ANTHR 1T**	3
ANT 140	Culture & Environment of Boreal Forest	ANTHR 1T**	2
ANT 150	Global Issues-Local Perspective	ANTHR 1T**	3

**APPAREL MERCHANDISING**

APP 101	Sewing Basics	CAREER/TECH	
APP 111	Visual Merchandising and Design	T C 377	3
APP 211	Textiles	T C 204	3
APP 230	Fashion Coordination and Promotion	CAREER/TECH	
APP 250	Design Concepts	T C 2T**	3
APP 260	Fashion Analysis and Design	T C 245	3
APP 270	Fashion Buying	T C 2T**	3
APP 291	Fashion Study Tour	T C 380	1

**ARCHITECTURAL**

ARC 114-190	By Title	CAREER/TECH	
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**ART**

ART 101	Art Appreciation	ART 1T**	3
ART 102	Arts for Elementary Education	ARTED 211	3
ART 133	Drawing	ART 1T**	3
ART 136	Life Drawing	ART 1T**	3
ART 143	Painting	ART 1T**	3
ART 148	Landscape Painting	ART 1T**	3
ART 173	Ceramics	ART 1T**	3
ART 174	Ceramics II	ART 1T**	3
ART 176	Tilemaking	ART 1T**	3
ART 184	Principles of Photography	ART 2T**	3
ART 186	Principles Digital Photography	ART 2T**	3
ART 190	History of Photography	ART H 1T**	3
ART 195	Design: Exploring Art Media	ART 1T**	3
ART 225	Photoshop for Photography	ART 2T**	3
ART 226	Alternative Photo Processes	ART 2T**	3
ART 289	Photojournalism	ART 2T**	3
ART 291	Travel Photography	ART 2T**	3
ART 292	Studio Photography	ART 2T**	3
ART 929	Individual Projects	ART 2T**	2-6

**AGING SERVICES MANAGEMENT**

ASM 150-805	By Title	CAREER/TECH	
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**AUTO TECH-CAP (CHRYSLER)**

ATC 320-360	By Title	CAREER/TECH	
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**AUTO TECH-ASSET (FORD)**

ATF 280-354	By Title	CAREER/TECH	
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**AUTO TECH-ASEP (GM)**

ATG 312-354	By Title	CAREER/TECH	
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COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS

### **AUTOMOTIVE TECHNOLOGY**

AUT 114-870 By Title CAREER/TECH

### **AVIATION**

AVI 130-213 By Title CAREER/TECH

### **AVIATION MAINTENANCE**

AVM 100-170 By Title CAREER/TECH

### **BUSINESS COMPUTER APPLICATIONS**

BCA 111-250 By Title CAREER/TECH

### **BIOLOGY**

BIO 100	Opportunities in Biology	BIOL 1T**	1
BIO 104	Introductory Biology w/lab	BIOL 101	3
BIO 112	General Biology I	BIOL 211	3
	General Biology I Lab	BIOL 211L	1
BIO 113	General Biology II	BIOL 212	3
	General Biology II Lab	BIOL 212L	1
BIO 135	Introduction to Botany	BIOL 1T**	4
BIO 138	Field Ecology	BIOL 1T**	3
BIO 145	Ecology of Iowa	BIOL 2T**	3
BIO 146	Genetics	BIOL 2T**	3
BIO 156	Human Biology w/lab	BIOL 155	3
BIO 164	Essentials Anatomy/Physiology	BIOL 155	5
*BIO 168	Anatomy and Physiology I	BIOL 1T**	4
*BIO 173	Anatomy and Physiology II	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 w/lab	MICRO 2T**	4
BIO 225	Marine Biology I	BIOL 2T**	4
BIO 227	Marine Biology II	BIOL 2T**	4
BIO 243	Topics in Biotechnology	BIOL 2T**	1
BIO 249	Biotechnology Internship	BIOL 2T**	3
BIO 250	Cell and Molecular Bio-Nucleic Acids	BIOL 2T**	5
BIO 251	Cell and Molecular Bio-Proteins	BIOL 2T**	5
BIO 260	Biology of Aging	BIOL 2T**	3
BIO 295	General Ecology and Lab	BIOL 2T**	4
BIO 732	Health Science Microbiology	MICRO 2T**	4
BIO 733	Health Science Anatomy	BIOL 1T**	3
BIO 734	Health Science Physiology	BIOL 1T**	3
BIO 922	Field Studies	BIOL 2T**	1-4

### **BUILDING MAINTENANCE**

BMA 165-177 By Title CAREER/TECH

### **BIOMASS OPERATIONS TECHNOLOGY**

BPT 102-128 By Title CAREER/TECH

DES MOINES AREA COMMUNITY COLLEGE		IOWA STATE	
COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS

### **BUSINESS**

BUS 102	Introduction to Business	BUSAD 1T**	3
BUS 112	Business Math	BUSAD 1T**	3
BUS 131-181	By Title	CAREER/TECH	
BUS 185	Business Law I	ACCT 215	3
BUS 186	Business Law II	ACCT 2T**	3
BUS 211	Business Statistics	STAT 101	4
BUS 213	Statistical Business Applications	STAT 1T**	2
BUS 215	Investing in Real Assets	FIN 2T**	1
BUS 216	Estate Planning	FIN 2T**	1
BUS 218	Long-Range Financial Planning	FIN 2T**	1
BUS 220	Introduction to International Business	BUSAD 2T**	3
BUS 231	Quantitative Methods/Business Decisions	MGMT 2T**	4
BUS 240	Virtual Business Firm	BUSAD 2T**	3
BUS 250	Principles of Real Estate	FIN 2T**	3
BUS 260	Introduction to Insurance	FIN 2T**	3
BUS 278	Employment Law	ACCT 2T**	3
BUS 902-932	By Title	CAREER/TECH	

### **COMPUTER AIDED DRAFTING**

CAD 119	Introduction to Computer-Aided Drafting	TSM 2T**	3
CAD 125	Intermediate CADD - Mechanical	TSM 2T**	3
CAD 126	Intermediate CADD - Architectural	TSM 2T**	3
CAD 139-254	By Title	CAREER/TECH	

### **CATERPILLAR TECHNOLOGY**

CAT 430-435	By Title	CAREER/TECH	
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### **CIVIL ENGINEERING TECHNOLOGY**

CET 102-307	By Title	CAREER/TECH	
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### **CHEMISTRY**

CHM 105	Survey of Chemistry	CHEM 160	3
CHM 122	Introduction to General Chemistry	CHEM 1T**	4
CHM 132	Introduction to Organic/Biochemistry	CHEM 1T**	4
CHM 165	General/Inorganic Chemistry I	CHEM 177	3
	General/Inorganic Chemistry I Lab	CHEM 177L	1
CHM 175	General/Inorganic Chemistry II	CHEM 178	3
	General/Inorganic 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 PROGRAMMING**

CIS 125	Intro to Programming Logic w/Lang	COM S 2T**	3
CIS 130	Computer Programming	TSM 2T**	3
CIS 140	Intro to Game Design	CAREER/TECH	
CIS 152	Data Structures	COM S 2T**	3
CIS 154	Computational Structures	COM S 2T**	3
CIS 161-346	By Title	CAREER/TECH	
CIS 402	Cobol	COM S 201	3

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<b><u>COMPUTER PROGRAMMING, continued</u></b>			
CIS 413	Cobol II	COM S 2T**	4
CIS 421-604	By Title	CAREER/TECH	
CIS 612	Advanced Visual Basic	COM S 1T**	3
CIS 720	Help Desk Operations	CAREER/TECH	
<b><u>COMMUNICATION</u></b>			
COM 703	Communication Skills	CAREER/TECH	
<b><u>BUILDING TRADES</u></b>			
CON 333-949	By Title	CAREER/TECH	
<b><u>CRIMINAL JUSTICE</u></b>			
CRJ 100	Intro to Criminal Justice	CJ ST 240	3
CRJ 101	Ethics in Criminal Justice	CJ ST 1T**	3
CRJ 107	Survey of Criminal Justice Agencies	CJ ST 1T**	3
CRJ 109	Theories of Interviewing	CJ ST 1T**	3
CRJ 111	Police and Society	CJ ST 2T**	3
CRJ 128	Victimology	CJ ST 1T**	3
CRJ 130	Criminal Law	CJ ST 2T**	3
CRJ 132	Constitutional Law	CJ ST 2T**	3
CRJ 136	Correctional Law	CJ ST 2T**	3
CRJ 137*	Juvenile Law	SOC 241	3
CRJ 141	Criminal Investigation	CJ ST 1T**	3
CRJ 167	Operating Systems for Forensics	CJ ST 1T**	3
CRJ 176	Computer Forensics I	CJ ST 1T**	3
CRJ 178	E-Crime Investigative Methods	CJ ST 2T**	3
CRJ 179	White-Collar Crime	CJ ST 1T**	1
CRJ 195	Crime Scene Investigation	CJ ST 1T**	4
CRJ 222	Correctional Treatment Methods	CJ ST 2T**	3
CRJ 229	Penology	CJ ST 2T**	3
CRJ 248	Scientific Investigation	CJ ST 2T**	3
CRJ 264	Effective Courtroom Testimony	CJ ST 2T**	1
CRJ 267	E-Discovery I-Overview	CJ ST 2T**	1
CRJ 268	E-Discovery II-Data Collect	CJ ST 2T**	1
CRJ 269	E-Discovery III-Data Process	CJ ST 2T**	1
CRJ 276	Computer Forensics II	CJ ST 2T**	3
CRJ 277	Advanced Digital Forensic Methods	CJ ST 2T**	4
CRJ 278	Apple/Macintosh Forensics	CJ ST 2T**	1
CRJ 279	Malware Forensics	CJ ST 2T**	1
CRJ 292	Police Physical Fitness & Condition	KIN 2T**	1
CRJ 293	Criminal Justice Report Writing	CJ ST 2T**	1
CRJ 301	Introduction to Homeland Security	CJ ST 2T**	3
CRJ 302	Transportation & Border Security	CJ ST 2T**	3
CRJ 303	Intelligence Analysis & Security Management	CJ ST 2T**	3
CRJ 330	Forensic Photography I	CJ ST 2T**	1
CRJ 331	Forensic Photography II	CJ ST 2T**	1
CRJ 332	Forensic Photography III	CJ ST 2T**	1
CRJ 932	Internship	CJ ST 2T**	3

*\*Updated December 8, 2011*

DES MOINES AREA COMMUNITY COLLEGE		IOWA STATE	
COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS
<b><u>COLLISION REPAIR AND REFINISH</u></b>			
CRR 101-877	By Title	CAREER/TECH	
<b><u>COMPUTER SCIENCE</u></b>			
CSC 110	Intro to Computers	COM S 103	3
<b><u>DENTAL ASSISTANT</u></b>			
DEA 253-702	By Title	CAREER/TECH	
<b><u>DENTAL HYGIENE</u></b>			
DHY 114-302	By Title	CAREER/TECH	
<b><u>FILM AND THEATRE</u></b>			
DRA 101	Introduction to Theatre	THTRE 106	3
DRA 130	Acting I	THTRE 251	3
DRA 147	Creative Drama School/Rec	THTRE 1T**	3
DRA 945	Practicum I	THTRE 1T**	2
DRA 946	Practicum II	THTRE 1T**	3
DRA 948	Practicum III	THTRE 1T**	4
<b><u>DIESEL</u></b>			
DSL 145-855	By Title	CAREER/TECH	
<b><u>DIETARY MANAGER</u></b>			
DTM 350-366	By Title	CAREER/TECH	
<b><u>EARLY CHILDHOOD EDUCATION</u></b>			
ECE 103	Introduction to Early Childhood Education	HD FS 1T**	3
ECE 106	Child Development Associate Standards	HD FS 1T**	1
ECE 130	Emergency Care	H S 105	1
ECE 133	Child Health, Safety & Nutrition	HD FS 1T**	3
ECE 158	Early Childhood Curriculum I	HD FS 1T**	3
ECE 159	Early Childhood Curriculum II	HD FS 1T**	3
ECE 170	Child Growth & Development	HD FS 1T**	3
ECE 215	Home, School & Community Relations	HD FS 1T**	3
ECE 221	Infant/Toddler Care and Education	HD FS 2T**	3
ECE 243	Early Childhood Guidance	HD FS 2T**	3
ECE 262	Early Childhood Field Experience	HD FS 2T**	3
ECE 281	Practicum	HD FS 2T**	2
ECE 290	Early Childhood Program Admin	HD FS 445	3
ECE 343	Early Childhood Guidance Lab	HD FS 2T**	1
ECE 359	ECE Curriculum II Lab	HD FS 2T**	1
ECE 932	Early Childhood Internship	HD FS 2T**	2
ECE 944	ECE Field Experience Seminar	HD FS 2T**	1
<b><u>ECONOMICS</u></b>			
ECN 120	Principles of Macroeconomics	ECON 102	3
ECN 130	Principles of Microeconomics	ECON 101	3

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<b><u>EDUCATION</u></b>			
EDU 213	Introduction to Education	C I 204	3
EDU 218	Initial Field Experience	C I 2T**	2
EDU 245	Exceptional Learner	SP ED 250	3
<b><u>ENGINEERING</u></b>			
EGR 100	Engineering Orientation	ENGR 101	1
*EGR 150	Engineering FORTRAN	ENGR 1T**	2
EGR 151	Engineering Visual Basic	ENGR 1T**	2
*EGR 161	Engineering Computations	ENGR 1T**	2
<i>*When EGR 150 and EGR 161 are both taken, the courses will transfer as ENGR 160.</i>			
*EGR 155	Engineering C/C++	ENGR 1T**	2
*EGR 161	Engineering Computations	ENGR 1T**	2
<i>*When EGR 155 and EGR 161 are both taken, the courses will transfer as ENGR 160.</i>			
EGR 166	Engineering Graphics/Conceptual Design	ENGR 170	4
EGR 180	Statics	E M 274	3
EGT 400-420	By Title	CAREER/TECH	
<b><u>ELECTRONICS</u></b>			
ELT 093	Concepts Electronics/Computers		No Credit
ELT 106-125	By Title	CAREER/TECH	
ELT 126	Industrial Electronics	TSM 2T**	2
ELT 131	Motor Controls	CAREER/TECH	
ELT 143	Mechanisms	TSM 2T**	3
ELT 147-303	By Title	CAREER/TECH	
ELT 307	Digital Circuits	TSM 2T**	2
ELT 308	Digital Circuits Lab	TSM 2T**	2
ELT 325-386	By Title	CAREER/TECH	
ELT 387	Electric Circuit Analysis II	TSM 2T**	3
ELT 388	Electric Circuit Analysis II Lab	TSM 2T**	3
ELT 389-485	By Title	CAREER/TECH	
ELT 611	Microprocessors	TSM 2T**	2
ELT 612	Microprocessors Lab	TSM 2T**	3
ELT 614	Microprocessors and Microcontrollers	CAREER/TECH	
ELT 643	Process Control Instrument	TSM 2T**	3
ELT 644-652	By Title	CAREER/TECH	
ELT 721	Robotics	TSM 2T**	3
ELT 725	Introduction to Flexible Manufacturing	TSM 2T**	2
ELT 781-782	By Title	CAREER/TECH	
ELT 791	Hydraulics & Pneumatics	TSM 2T**	3
ELT 792	Hydraulics & Pneumatics Lab	TSM 2T**	2
ELT 793-932	By Title	CAREER/TECH	
<b><u>EMERGENCY MEDICAL TECHNICIAN - BASIC</u></b>			
EMS 105-483	By Title	CAREER/TECH	

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<b><u>ENGLISH</u></b>			
ENG 060-061	College Prep Writing I, II		No Credit
ENG 104	Resources for Composition	ENGL 1T**	3
ENG 105	Composition I	ENGL 150	3
ENG 106	Composition II	ENGL 250	3
ENG 108	Comp II: Technical Writing	ENGL 2T**	3
ENG 221	Creative Writing	ENGL 2T**	3
ENG 225	Creative Writing: Poetry	ENGL 2T**	3
ENG 230	Creative Writing: Fiction	ENGL 2T**	3
ENG 235	Playwriting & Screenwriting	ENGL 2T**	3
<b><u>ENVIRONMENTAL SCIENCE</u></b>			
ENV 103	Sustainable Living	BIOL 1T**	1
ENV 115	Environmental Science	BIOL 173	3
ENV 116	Environmental Science Lab	BIOL 1T**	1
ENV 145	Conservation Biology	BIOL 1T**	4
ENV 160	Restoring Plant Communities	BIOL 1T**	3
<b><u>NON-INTENSIVE ESL</u></b>			
ESL 093-097	By Title		No Credit
*ESL 103	Advanced Academic ESL Grammar	ENGL 101	4
*ESL 104	Advanced Academic ESL Writing	ENGL 101	3
<i>*Transfer credit in ENGL 101 does not count toward graduation.</i>			
ESL 160	ESL Multicultural Literature	ENGL 101	3
<b><u>FINANCE</u></b>			
FIN 101	Principles of Banking	FIN 2T**	3
FIN 121	Personal Finance	HD FS 283	3
FIN 180	Introduction to Investments	FIN 2T**	3
FIN 214	Stocks, Bonds and Investments	FIN 2T**	1
<b><u>FIRE SCIENCE</u></b>			
FIR 124-152	By Title	CAREER/TECH	
FIR 182	Hazardous Materials	TSM 2T**	3
FIR 200, 212	By Title	CAREER/TECH	
FIR 220	Planning for Fire Protection	TSM 376	3
FIR 230-291	By Title	CAREER/TECH	
<b><u>FOREIGN LANGUAGE-ARABIC</u></b>			
FLA 141	Elementary Arabic I	ARABC 101	4
FLA 142	Elementary Arabic II	ARABC 102	4
FLA 241	Intermediate Arabic I	ARABC 201X	4
FLA 242	Intermediate Arabic II	ARABC 202X	4
<b><u>FOREIGN LANGUAGE-CHINESE</u></b>			
FLC 141	Elementary Chinese I	CHIN 101	4
FLC 142	Elementary Chinese II	CHIN 102	4
FLC 241	Intermediate Chinese I	CHIN 201	4
FLC 242	Intermediate Chinese II	CHIN 202	4

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<b><u>FOREIGN LANGUAGE-FRENCH</u></b>			
FLF 151	Elementary French I	FRNCH 101	5
FLF 152	Elementary French II	FRNCH 102	5
FLF 241	Intermediate French I	FRNCH 201	4
FLF 242	Intermediate French II	FRNCH 202	4
<b><u>FOREIGN LANGUAGE-GERMAN</u></b>			
FLG 141	Elementary German I	GER 101	4
FLG 142	Elementary German II	GER 102	4
FLG 241	Intermediate German I	GER 201	4
FLG 242	Intermediate German II	GER 202	4
<b><u>FOREIGN LANGUAGE-ITALIAN</u></b>			
FLI 141	Elementary Italian I	WLC 1T**	4
FLI 142	Elementary Italian II	WLC 1T**	4
FLI 241	Intermediate Italian I	WLC 2T**	4
FLI 242	Intermediate Italian II	WLC 2T**	4
<b><u>FOREIGN LANGUAGE-JAPANESE</u></b>			
FLJ 141	Elementary Japanese I	WLC 1T**	4
FLJ 142	Elementary Japanese II	WLC 1T**	4
FLJ 241	Intermediate Japanese I	WLC 2T**	4
FLJ 242	Intermediate Japanese II	WLC 2T**	4
<b><u>FOREIGN LANGUAGE-SPANISH</u></b>			
FLS 151	Elementary Spanish I	SPAN 101	5
FLS 152	Elementary Spanish II	SPAN 102	5
FLS 181	Spanish for Heritage Speakers I	SPAN 1T**	4
FLS 241	Intermediate Spanish I	SPAN 201	4
FLS 242	Intermediate Spanish II	SPAN 202	4
FLS 281	Spanish for Heritage Speakers II	SPAN 2T**	4
<b><u>GEOGRAPHY</u></b>			
GEO 111	Introduction to Geography	S SCI 1T**	3
GEO 124	Reg Geog of the NonWest World	S SCI 1T**	3
GEO 125	Regional Geog of the Dev World	S SCI 1T**	3
<b><u>GLOBAL STUDIES</u></b>			
GLS 199	Japan: The Changing Tradition	HUM 1T**	2
GLS 200	Country Study	LAS 2T**	3
GLS 220	The Middle East and Islam	HUM 1T**	3
GLS 230	Latin America	HUM 2T**	3
GLS 235	Intro to International Studies	INTST 235	3
<b><u>GRAPHIC DESIGN</u></b>			
GRD 301-471	By Title	CAREER/TECH	
<b><u>GRAPHIC TECHNOLOGIES</u></b>			
GRT 400-932	By Title	CAREER/TECH	

DES MOINES AREA COMMUNITY COLLEGE		IOWA STATE	
COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS

### **HOSPITALITY, CULINARY ARTS AND MANAGEMENT**

HCM 100	Sanitation & Safety	HRI 233	2
HCM 104-124	By Title	CAREER/TECH	
HCM 143	Food Preparation I	HRI 1T**	3
HCM 144	Food Preparation I Lab	HRI 1T**	3
HCM 152	Food Preparation II	HRI 2T**	2
HCM 153	Food Preparation II Lab	HRI 2T**	2
*HCM 167	Culinary Skills Development	HRI 1T**	3
*HCM 210	Dining Management	HRI 2T**	2

*\*When HCM 167 and HCM 210 are both taken, the courses will transfer as HRI 380 and HRI 380L.*

HCM 168-169	By Title	CAREER/TECH	
*HCM 172	International Cuisine (Lab)	HRI 1T**	3
*HCM 173	International Cuisine	HRI 1T**	2

*\*When HCM 172 and HCM 173 are both taken, the courses will transfer as HRI 487.*

HCM 175-240	By Title	CAREER/TECH	
HCM 250	Purchasing	HRI 2T**	2
HCM 270	Garde Manger	CAREER/TECH	
HCM 300	Beverage Management	HRI 2T**	2
HCM 320	Introduction to Hospitality Industry	HRI 101	2
HCM 510-550	By Title	CAREER/TECH	
HCM 600	Intro to Lodging Operations	HRI 2T**	2
HCM 604, 605	By Title	CAREER/TECH	

### **HEATING AND AIR CONDITIONING**

HCR 253-932	By Title	CAREER/TECH	
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### **HISTORY**

HIS 112	West Civ: Ancient to Early Modern	HIST 201	4
HIS 113	West Civ: Early Modern to Present	HIST 202	4
HIS 150	U.S. History to 1877	HIST 221	4
HIS 153	U.S. History since 1877	HIST 222	4
HIS 201	Iowa History	HIST 2T**	3
HIS 216	History of Modern Russia	HIST 2T**	4
HIS 249	Study Abroad: British Life and Culture	HIST 2T**	3
HIS 257	African-American History	HIST 2T**	3
HIS 266	The Civil War	HIST 2T**	3

### **HEALTH INFORMATION TECHNOLOGY**

HIT 120-605	By Title	CAREER/TECH	
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### **HEALTH SCIENCES**

HSC 102-232	By Title	CAREER/TECH	
HSC 240	Human Nutrition	FS HN 167	3
HSC 281	Limited Radiology	CAREER/TECH	

### **HUMAN SERVICES**

HSV 109	Introduction to Human Services	HD FS 395	3
HSV 130	Interviewing/Interpersonal Relations	PSYCH 1T**	3

DES MOINES AREA COMMUNITY COLLEGE		IOWA STATE	
COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS

### HUMAN SERVICES, continued

HSV 133	Conflict Resolution	SOC 1T**	3
HSV 135	Women's Issues	PSYCH 1T**	3
HSV 185	Discrimination and Diversity	SOC 1T**	3
HSV 220	Intro to Counseling Theories	PSYCH 2T**	3
HSV 228	Group Counseling Techniques	PSYCH 2T**	3
HSV 230	Community Organization	PSYCH 2T**	3
HSV 255	Addictive Disease Concepts	PSYCH 2T**	3
HSV 286	Intervention Theories/Practice I	PSYCH 2T**	3
HSV 288	Intervention Theories/Practice II	PSYCH 2T**	3
HSV 802	Internship	SOC 2T**	3
HSV 811	Pract: Chemical Depend Counsel I	PSYCH 2T**	3
HSV 812	Pract: Chemical Depend Counsel II	PSYCH 2T**	3

### HUMANITIES

HUM 116	Encounters in Humanities	HUM 1T**	3
HUM 120	Introduction to Film	ENGL 2T**	3
HUM 121	America in the Movies	HUM 1T**	3
HUM 249	Study Abroad: British Life and Culture	HUM 2T**	3

### INDUSTRIAL TECHNOLOGY

IND 124-147	By Title	CAREER/TECH	
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### INFORMATICS

INF 110-320	By Title	CAREER/TECH	
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### INTERIOR DESIGN

INT 124-125	By Title	CAREER/TECH	
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### INTERPRETATION AND TRANSLATION

ITR 101	Introduction to Interpreting & Translation	LING 1T**	3
ITR 102	Tools for Interpreters & Translators	LING 1T**	3
ITR 103	Fundamentals of Interpretation	LING 1T**	3
ITR 104	Fundamentals of Translation	LING 1T**	3
ITR 109	Interpretation/Translation Ethics I	HUM 1T**	3
ITR 120	Ethics for the Interpreter/Translator	HUM 1T**	1
ITR 209	Intrepretation/Translation Ethics II	HUM 1T**	3
ITR 211	Business Semester & Sight Translation	WLC 2T**	3
ITR 213, 214	Business Interpretation I, II	WLC 2T**	3 each
ITR 217	Business Translation	WLC 2T**	3
ITR 231	Education Semester & Sight Translation	WLC 2T**	3
ITR 233, 234	Education Interpretation I, II	WLC 2T**	3 each
ITR 237	Education Translation	WLC 2T**	3
ITR 253, 254	Human Services Interpretation I, II	WLC 2T**	3 each
ITR 257	Human Services Translation	WLC 2T**	3
ITR 271	Healthcare Semester & Sight Translation	WLC 2T**	3
ITR 273, 274	Healthcare Interpretation I, II	WLC 2T**	3 each
ITR 277	Healthcare Translation	WLC 2T**	3
ITR 291	Judiciary Semester & Sight Translation	WLC 2T**	3
ITR 293, 294	Judiciary Interpretation I, II	WLC 2T**	3 each
ITR 297	Judiciary Translation	WLC 2T**	3
ITR 811	Busines I/T Internship	WLC 2T**	3

DES MOINES AREA COMMUNITY COLLEGE		IOWA STATE	
COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS

**INTERPRETATION AND TRANSLATION, continued**

ITR 831	Education I/T Internship	WLC 2T**	3
ITR 851	Human Services I/T Internship	WLC 2T**	3
ITR 871	Healthcare I/T Internship	LAS 2T**	3
ITR 891	Judiciary I/T Internship	LAS 2T**	3
ITR 910	Emphasis Seminar	LING 1T**	3

**JOURNALISM**

JOU 110	Intro to Mass Media	JL MC 101	3
JOU 121	Basic Reporting Principles	JL MC 2T**	3
JOU 125	Newspaper Production	JL MC 2T**	3
JOU 163	Advanced Reporting: Politics	JL MC 2T**	3
JOU 165	Principles of Advertising	ADVRT 2T**	3

**LITERATURE**

LIT 101	Intro to Literature	ENGL 201	3
LIT 105	Children's Literature	HD FS 240	3
LIT 110	American Literature to Mid 1800's	ENGL 227	3
LIT 111	American Literature since Mid 1800's	ENGL 228	3
LIT 130	African American Literature	ENGL 2T**	3
LIT 142	Major British Writers	ENGL 2T**	3
LIT 166	Science Fiction	ENGL 2T**	3
LIT 180	Mythology	ENGL 2T**	3
LIT 185	Contemporary Literature	ENGL 2T**	3
LIT 188	Detective Fiction	ENGL 2T**	3
LIT 190	Women Writers	ENGL 2T**	3
LIT 193	Humor in Literature	ENGL 2T**	3

**MEDICAL ASSISTANT**

MAP 110-803	By Title	CAREER/TECH	
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**MATHEMATICS**

MAT 034-053	By Title		No Credit
MAT 063	Elementary Algebra	MATH 25	No Credit
*MAT 073	Elementary Algebra II	MATH 100Z	4

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

MAT 093	Math Study Skills		No Credit
MAT 110	Math for Liberal Arts	MATH 105	3
MAT 114	Elementary Educators Math I	MATH 195	3
MAT 116	Elementary Educators Math II	MATH 196	3
MAT 121	College Algebra	MATH 140	4
MAT 129	Precalculus	MATH 1T**	5
MAT 130	Trigonometry	MATH 141	3
MAT 141	Finite Mathematics	MATH 104	4
MAT 148	Linear Algebra w/Applications	MATH 2T**	4
MAT 157	Statistics	STAT 101	4
MAT 160	Statistical Business Applications	STAT 1T**	2
MAT 162	Principles of Business Statistics	STAT 226	4
MAT 166	Calculus for Business/Social Science	MATH 151	4
MAT 211	Calculus I	MATH 165	5
MAT 217	Calculus II	MATH 166	5

DES MOINES AREA COMMUNITY COLLEGE		IOWA STATE	
COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS
<b><u>MATHEMATICS, continued</u></b>			
MAT 219	Calculus III	MATH 265	4
MAT 227	Differential Equations with Laplace	MATH 267	4
MAT 772-773	By Title	CAREER/TECH	
<b><u>MANUFACTURING</u></b>			
MFG 105	Machine Shop Measuring	TSM 2T**	3
MFG 121	Machine Trade Printreading I	CAREER/TECH	
MFG 132	Machine Trade Printreading II	TSM 2T**	3
MFG 140-331	By Title	CAREER/TECH	
MFG 340	Basic Lathe Operation	TSM 2T**	1
MFG 341	Vertical Mill Operation	TSM 2T**	1
MFG 350-512	By Title	CAREER/TECH	
MFG 521	Measuring Devices-SPC	TSM 2T**	1
MFG 522	Appl of Statistical Methods	CAREER/TECH	
MFG 523	Controlling Mfg Business Costs	TSM 2T**	2
MFG 524-932	By Title	CAREER/TECH	
<b><u>MANAGEMENT</u></b>			
MGT 101	Principles of Management	MGMT 2T**	3
MGT 115	Administrative Management	MGMT 2T**	3
MGT 128	Organizational Behavior	CAREER/TECH	
MGT 130	Principles of Supervision	MGMT 2T**	3
MGT 145	Human Relations in Business	BUSAD 2T**	3
MGT 147	Leadership Development	TSM 2T**	3
MGT 164	Total Quality Management	TSM 310	3
MGT 170, 194	By Title	CAREER/TECH	
MGT 248	Systems & Information Management	MIS 2T**	3
MGT 800-807	By Title	CAREER/TECH	
<b><u>MARKETING</u></b>			
MKT 110	Principles of Marketing	MKT 2T**	3
MKT 115	Business-to-Business Marketing	MKT 2T**	3
MKT 120	E-Marketing	CAREER/TECH	
MKT 140	Selling	MKT 2T**	3
MKT 141	Advanced Selling Strategies	CAREER/TECH	
MKT 145	Sales Management	MGMT 2T**	3
MKT 150	Principles of Advertising	ADVRT 230	3
MKT 160	Principles of Retailing	MKT 2T**	3
MKT 165-199	By Title	CAREER/TECH	
<b><u>MEDICAL LABORATORY TECHNOLOGY</u></b>			
MLT 115-290	By Title	CAREER/TECH	
<b><u>ARCHITECTURAL MILLWORK</u></b>			
MLW 440-449	By Title	CAREER/TECH	
<b><u>MORTUARY SCIENCE</u></b>			
MOR 215-941	By Title	CAREER/TECH	
<b><u>MEDICAL TRANSCRIPTION</u></b>			
MTR 120-122	By Title	CAREER/TECH	

DES MOINES AREA COMMUNITY COLLEGE		IOWA STATE	
COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS
<b><u>APPLIED MUSIC</u></b>			
MUA 101	Applied Voice	MUSIC 1T**	1
MUA 120	Applied Piano I	MUSIC 1T**	1
MUA 121	Applied Piano	MUSIC 1T**	2
MUA 147	Applied Instrumental	MUSIC 1T**	1
<b><u>GENERAL MUSIC</u></b>			
MUS 100	Music Appreciation	MUSIC 102	3
MUS 102	Music Fundamentals	MUSIC 1T**	3
MUS 106, 107	Materials of Music I, II	MUSIC 1T**	4 each
MUS 143	Concert Choir	MUSIC 1T**	2
MUS 150	Chamber Ensemble	MUSIC 1T**	1
MUS 202	World Music	MUSIC 2T**	3
<b><u>COMPUTER NETWORKING</u></b>			
NET 123-932	By Title	CAREER/TECH	
<b><u>OPTOMETRIC/OPHTHALMIC TECHNICIAN</u></b>			
OPT 110-818	By Title	CAREER/TECH	
<b><u>PHYSICAL EDUCATION ACTIVITIES</u></b>			
PEA 102	Aerobic Fitness I	KIN 1T**	1
PEA 110	Badminton I	KIN 122	1
PEA 117	Bowling I	KIN 129	1
PEA 134	Golf I	KIN 135	1
PEA 144	Physical Fitness/Conditioning	KIN 258	2
PEA 146	Physical Fitness I	KIN 1T**	1
PEA 164	Swimming I	KIN 1T**	1
PEA 174	Tennis I	KIN 158	1
PEA 176	Volleyball I	KIN 182	1
PEA 184	Water Safety Instruction/Lifeguard Training	KIN 114	3
PEA 187	Weight Training I	KIN 166	1
PEA 234	Golf II	KIN 2T**	1
PEA 284	Advanced Lifesaving	KIN 115	1
<b><u>COACHING OFFICIATING</u></b>			
PEC 110	Coaching Ethics, Tech & Theory	KIN 1T**	1
PEC 122	Intro to Anatomy and Physiology for Coaching	KIN 1T**	1
PEC 161	Sports Officiating	KIN 1T**	3
PEC 190	Sports Psychology for Coaches	KIN 1T**	1
PEC 191	Current Issues in Coaching	KIN 1T**	1
PEC 215	Sport Mechanics for Coaches	KIN 2T**	1
<b><u>GENERAL PHYSICAL EDUCATION AND HEALTH</u></b>			
PEH 102	Health	H S 110	3
PEH 110	Personal Wellness	KIN 1T**	2
PEH 120	Principles Personal Training I	KIN 1T**	3
PEH 141	First Aid	H S 1T**	2
PEH 162	Intro to Physical Education	KIN 1T**	3
PEH 178	Sports Diversity	KIN 1T**	3
PEH 190	Sports Nutrition	KIN 1T**	2
PEH 255	Principles of Sports Management	KIN 2T**	3

DES MOINES AREA COMMUNITY COLLEGE COURSE NUMBER	COURSE TITLE	IOWA STATE EQUIVALENT	CREDITS
<b><u>GENERAL PHYSICAL EDUCATION AND HEALTH, continued</u></b>			
PEH 262	Wellness Prog/Planning/Organization	KIN 2T**	3
PEH 265	Leadership Tech for Fitness Programs	KIN 259	2
PEH 920	Field Experience	KIN 2T**	2
<b><u>PHYSICAL EDUCATION TRAINING</u></b>			
PET 110	Introduction to Athletic Training	KIN 220	2
<b><u>INTERCOLLEGIATE PHYSICAL EDUCATION</u></b>			
PEV 115	Varsity Baseball	ATH 1T**	1
PEV 121	Varsity Basketball, Men	ATH 101B	1
PEV 122	Varsity Basketball, Women	ATH 101C	1
PEV 130	Varsity Cross Country	ATH 1T**	1
PEV 140	Varsity Golf	ATH 1T**	1
PEV 170	Varsity Volleyball	ATH 101R	1
PEV 190	Varsity Spirit Squad	KIN 1T**	1
<b><u>PLEBOTOMY</u></b>			
PHB 113, 280	By Title	CAREER/TECH	
<b><u>PHILOSOPHY</u></b>			
PHI 101	Introduction to Philosophy	PHIL 201	3
PHI 105	Introduction to Ethics	PHIL 230	3
PHI 110	Introduction to Logic	PHIL 206	3
<b><u>PHARMACY TECHNICIAN</u></b>			
PHR 100-802	By Title	CAREER/TECH	
<b><u>PHYSICAL SCIENCE</u></b>			
PHS 152	Astronomy	ASTRO 1T**	4
PHS 166	Meteorology, Weather & Climate	MTEOR 206	4
<b><u>PHYSICS</u></b>			
PHY 106	Survey of Physics	PHYS 106	4
PHY 160	General Physics I	PHYS 111	5
PHY 161	General Physics II	PHYS 112	5
PHY 213	Classical Physics I	PHYS 221	6
PHY 223	Classical Physics II	PHYS 222	6
PHY 710	Technical Physics	CAREER/TECH	
<b><u>PRACTICAL NURSING</u></b>			
PNN 151-606	By Title	CAREER/TECH	
<b><u>POLITICAL SCIENCE</u></b>			
POL 111	American National Government	POL S 215	3
POL 112	Amer State & Local Government	POL S 2T**	3
POL 121	International Relations	POL S 251	3
POL 125	Comparative Government & Politics	POL S 241	3
POL 127	News Media - Electoral Politics	POL S 2T**	3
POL 129	Politics of Terrorism	POL S 2T**	3
POL 171	Intro to Public Administration	POL S 2T**	3

DES MOINES AREA COMMUNITY COLLEGE		IOWA STATE	
COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS

### PARALEGAL

PRL 103	Introduction to Law	CJ ST 1T**	3
PRL 112, 113	Legal Research & Writing I, II	CJ ST 1T**	3 each
PRL 114	Adv Legal Research & Writing	CJ ST 1T**	3
PRL 118	Computerized Legal Research	CJ ST 1T**	1
PRL 125	Evidence: Theory and Practice	CJ ST 1T**	3
PRL 131, 132	Torts & Litigation I, II	CJ ST 1T**	3 each
PRL 137	Debtor/Creditor Law	CJ ST 1T**	3
PRL 141, 142	Business & Corporate Law I, II	CJ ST 1T**	3 each
PRL 151	Real Estate Law	CJ ST 1T**	3
PRL 161	Family Law	CJ ST 1T**	3
PRL 167	Probate Procedure	CJ ST 1T**	3
PRL 169	Wills/Estate Planning/Taxation	CJ ST 1T**	3
PRL 171	Administrative Practice	CJ ST 1T**	3
PRL 182	Mediation	CJ ST 1T**	3
PRL 280	Legal Internship & Ethics	CJ ST 2T**	4

### PSYCHOLOGY

PSY 102	Human and Work Relations	PSYCH 1T**	3
PSY 111	Introduction to Psychology	PSYCH 101	3
PSY 121	Developmental Psychology	PSYCH 230	3
PSY 140	Exploring Mental Health	PSYCH 1T**	3
PSY 172	Stress and Stress Management	PSYCH 1T**	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 333	3
PSY 291	Principles of Behavior Modification	PSYCH 2T**	3

### RESPIRATORY THERAPY

RCP 100-800	By Title	CAREER/TECH	
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### READING

RDG 038-039	By Title		No Credit
RDG 163	Speed Reading	ENGL 1T**	3

### RELIGION

REL 101	Survey of World Religions	RELIG 205	3
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### RAILROAD OPERATIONS

RRO 101	Railcar Safety	CAREER/TECH	
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### STUDENT DEVELOPMENT

SDV 108	The College Experience	ORIEN 1T**	1
SDV 115	Study Strategies	PSYCH 131	2
SDV 130	Career Exploration	LAS 1T**	1
SDV 157	Building a Professional Portfolio	CAREER/TECH	
SDV 164	Electronic Portfolio Development	XXX 1T**	2
SDV 165	Transfer Planning	LAS 1T**	1
SDV 171	Library Instruction	LIB 160	1
SDV 172	Internet Research Techniques	LIB 1T**	1
SDV 197	SAC Experience	XXX 1T**	1

DES MOINES AREA COMMUNITY COLLEGE		IOWA STATE	
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<b><u>STUDENT DEVELOPMENT, continued</u></b>			
SDV 212-227	By Title	CAREER/TECH	
SDV 288	Leadership Development Studies	XXX 2T**	3
<b><u>SOCIOLOGY</u></b>			
SOC 110	Introduction to Sociology	SOC 134	3
SOC 115	Social Problems	SOC 235	3
SOC 120	Marriage & Family	SOC 219	3
SOC 165	Group Dynamics	SOC 2T**	3
SOC 200	Minority Group Relations	SOC 2T**	3
SOC 225	Social Gerontology/Applications	SOC 2T**	4
SOC 226	Issues in Aging	SOC 2T**	2
SOC 230	Juvenile Delinquency	SOC 2T**	3
SOC 240	Criminology	SOC 2T**	3
SOC 282	Environmental Sociology	SOC 2T**	3
<b><u>SPEECH</u></b>			
SPC 101	Fundamentals of Oral Communication	SP CM 212	3
SPC 120	Intercultural Communication	COMST 1T**	3
SPC 126	Interpersonal & Small Group Communication	COMST 102	3
SPC 170	Professional Communication	COMST 1T**	3
<b><u>SURVEY</u></b>			
SRV 110-305	By Title	CAREER/TECH	
<b><u>SURGICAL TECHNOLOGY</u></b>			
SUR 130-810	By Title	CAREER/TECH	
<b><u>TELECOMMUNICATION</u></b>			
TEL 111-243	By Title	CAREER/TECH	
<b><u>VITACULTURE</u></b>			
VIN 101	Intro to Starting a Vineyard	HORT 1T**	4
VIN 102	Intro to Bearing Vineyards	HORT 1T**	4
VIN 103	Intro to Vineyard Pest Management	HORT 1T**	4
VIN 104	Vit for Wine Production	HORT 1T**	3
VIN 121	Pre-Plant Decisions	HORT 1T**	2
VIN 122	Planting and Early Care	HORT 1T**	2
VIN 123	Pruning and Canopy Management	HORT 1T**	2
VIN 124	Crop Management	HORT 1T**	2
VIN 125	Pest Identification	HORT 1T**	2
VIN 126	Pest Management	HORT 1T**	2
VIN 149-932	By Title	CAREER/TECH	
<b><u>WATER AND WASTEWATER TREATMENT TECHNOLOGY</u></b>			
WAT 210-932	By Title	CAREER/TECH	
<b><u>WEB DEVELOPER</u></b>			
WDV 101-932	By Title	CAREER/TECH	

DES MOINES AREA COMMUNITY COLLEGE		IOWA STATE	
COURSE NUMBER	COURSE TITLE	EQUIVALENT	CREDITS

**WELDING**

WEL 111,120	By Title	CAREER/TECH	
WEL 150	Arc Welding I (SMAW)	TSM 2T**	2
WEL 165	Arc Welding II (SMAW)	TSM 2T**	3
WEL 166-303	By Title	CAREER/TECH	

**WIND ENERGY AND TURBINE TECH**

WTT 103-245	By Title	CAREER/TECH	
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Updated December 8, 2011