

Course Equivalency Guide

between

Iowa State University

515-294-5836

www.iastate.edu

and

Des Moines Area Community College

800-362-2127

www.dmacc.edu

***Based on the Des Moines Area Community College 2023-2024 General Catalog and the
2023-2024 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 that 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.

ACCOUNTING

ACC 104-124	By Title	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 202	Accounting Cycle	ACCT 2T**	1
ACC 222	Cost Accounting	ACCT 2T**	4
ACC 237	Intermediate Accounting	ACCT 2T**	4
ACC 252	Government and Nonprofit Accounting	ACCT 2T**	4
ACC 265	Income Tax Accounting	ACCT 2T**	4
ACC 268-850	By Title	CAREER/TECH	

ADMINISTRATIVE ASSISTANT

ADM 105-947	By Title	CAREER/TECH	
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ASSOCIATE DEGREE NURSING

ADN 110-821	By Title	CAREER/TECH	
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AGRICULTURE - AGRONOMY

AGA 114	Principles of Agronomy	AGRON 181	3
AGA 129	Introduction to Sustainable Agriculture	AGRON 2T**	3
AGA 154	Fundamentals of Soil Science	AGRON 182	3
AGA 157	Soil Fertility	AGRON 1T**	1
AGA 211	Grain and Forage Crops	AGRON 280	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	Introduction to Agricultural 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 440	Agricultural Niche Marketing	ECON 2T**	3
AGB 802	Agribusiness Internship I	ECON 2T**	2
AGB 812	Agribusiness Internship II	ECON 2T**	2

AGRICULTURE - COMPREHENSIVE- MISCELLANEOUS

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

AGRICULTURE - HORTICULTURE

AGH 106	Introduction to Horticulture	HORT 221	3
AGH 112	Introduction to Turfgrass Management	HORT 1T**	3
AGH 120	Herbaceous Plant Materials	HORT 330	3
AGH 123	Woody Plant Materials	HORT 240	3
AGH 132	Introduction to Greenhouse	HORT 2T**	3
AGH 133	Greenhouse Production I	HORT 2T**	3
AGH 142	Landscape Construction	HORT 1T**	3
AGH 146	Soil Science for Horticulture	AGRON 155	3
AGH 147	Soil Fertility for Horticulture	AGRON 1T**	1
AGH 154	Residential Landscape Design	HORT 3T**	3

AGRICULTURE - HORTICULTURE, continued

AGH 156	Landscape Design II	HORT 2T**	3
AGH 159	Landscape Graphics	HORT 1T**	2
AGH 161	Irrigation Systems	HORT 2T**	3
AGH 200	Landscape Estimating and Bidding	HORT 2T**	2
AGH 211	Advanced Turfgrass Management	HORT 2T**	3
AGH 233	Plant Propagation I	HORT 322	3
AGH 253	Insects and Diseases	HORT 2T**	3
AGH 262	Fruit and Vegetable Science	HORT 2T**	3
AGH 272	Nursery Production I	HORT 2T**	3
AGH 276	Greenhouse Production II	HORT 2T**	3
AGH 281	Arboriculture	HORT 1T**	3
AGH 283	Pesticide Application Certification	HORT 283	2
AGH 291	Horticulture Business Operations	HORT 2T**	3
AGH 805	Horticulture Internship I	CAREER/TECH	
AGH 912	Current Topics in Horticulture	HORT 2T**	1

AGRICULTURE - MECHANICS

AGM 125	Alternative Energy in Agriculture	CAREER/TECH	
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AGRICULTURE - PRECISION AG

AGP 333	Precision Agriculture Applications	TSM 2T**	3
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AGRICULTURE - ANIMAL SCIENCE

AGS 101	Working with Animals	AN S 101	2
AGS 113	Survey of the Animal Industry	AN S 114	3
AGS 114	Survey of the Animal Industry	AN S 114	2
AGS 222	Aquaculture/Aquarium Science I	CAREER/TECH	
AGS 225	Swine Science	AN S 225	3
AGS 226	Beef Cattle Science	AN S 226	3
AGS 242	Animal Health	AN S 2T**	3
AGS 249	Aquaculture/Aquarium Science II	CAREER/TECH	
AGS 319	Animal Nutrition	AN S 2T**	3
AGS 323	Animal Nutrition II	AN S 2T**	3

AGRICULTURE- TECHNOLOGY

AGT 120	Agricultural Application in Biotechnology	TSM 1T**	3
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AGRICULTURE - VET TECH

AGV 109	Pharmacy Skills	CAREER/TECH	
AGV 120	Veterinary Medical Terminology	AN S 1T**	1
AGV 128-129	By Title	CAREER/TECH	
AGV 133	Veterinary Clinic Pathology I	AN S 1T**	3
AGV 134	Veterinary Clinic Pathology II	AN S 2T**	3
AGV 140	Veterinary Pharmacology	AN S 1T**	3
AGV 145-151	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 170-932	By Title	CAREER/TECH	

ANIMATION

ANI 408-494	By Title	CAREER/TECH	
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ANTHROPOLOGY

ANT 105	Cultural Anthropology	ANTHR 201	3
ANT 125	Applications of Anthropology	ANTHR 1T**	3
ANT 150	Global Issues-Local Perspective	ANTHR 1T**	3
ANT 202	Human Origins	ANTHR 202	3

APPAREL MERCHANDISING

APP 109	Creative Design Foundations	A M D 1T**	3
APP 209*	Textile Science	A M D 1T**	3

**When APP 209 and APP 212 are both taken, the courses will transfer as A M D 204.*

APP 211*	Textiles	A M D 1T**	3
APP 212**	Textile Science Lab	A M D 1T**	1

**When APP 211 and APP 212 are both taken, the courses will transfer as A M D 204.*

APP 235	Visual Merchandising Studio	A M D 377	3
APP 240	Fashion Design	A M D 178	3
APP 255	Introduction to Garment Construction	A M D 1T**	3
APP 260	Fashion Analysis and Design	A M D 2T**	3
APP 261	Fashion Industry Analysis	A M D 131	3
APP 265	Fashion Styling	A M D 288	3
APP 270	Fashion Buying	AESHM 175N	3
APP 291	Fashion Study Tour	AESHM 380N	1
APP 295	Digital Product Design	A M D 2T**	3
APP 300	Fashion Events and Public Relations	A M D 2T**	3
APP 600-702	By Title	CAREER/TECH	

ARCHITECTURAL

ARC 110-932	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 Lab	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 I	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 189	Commercial Photography I	CAREER/TECH	
ART 190	History of Photography	ART H 1T**	3
ART 192-194	By Title	CAREER/TECH	
ART 195	Design: Exploring Art Media	ART 1T**	3
ART 197	Photography Assistant Basics	CAREER/TECH	
ART 203	Art History I	ART H 280	3
ART 204	Art History II	ART H 281	3
ART 225	Photoshop for Photography	ART 2T**	3
ART 226	Alternative Photo Processes	ART 2T**	3
ART 227-228	By Title	CAREER/TECH	
ART 229	Photography for Social Media	ART 2T**	3

ART, continued

ART 283-287	By Title	CAREER/TECH	
ART 289	Photojournalism	ART 2T**	3
ART 291	Travel Photography	ART 2T**	3
ART 292	Studio Photography	ART 2T**	3
ART 294	Architectural Photography	CAREER/TECH	
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 280-362	By Title	CAREER/TECH	
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AUTO TECH-ASEP (GM)

ATG 312-354	By Title	CAREER/TECH	
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AUTOMOTIVE TECHNOLOGY

AUT 111-934	By Title	CAREER/TECH	
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AVIATION

AVI 130-213	By Title	CAREER/TECH	
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AVIATION MAINTENANCE

AVM 100-170	By Title	CAREER/TECH	
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BUSINESS COMPUTER APPLICATIONS

BCA 110-242	By Title	CAREER/TECH	
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BIOLOGY

BIO 100	Opportunities in Biology	BIOL 1T**	1
BIO 104	Introductory Biology with Lab	BIOL 101	3
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 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 151	Nutrition	FS HN 167	3
BIO 157	Human Biology	BIOL 155	4
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).*

BIOLOGY, continued

BIO 186	Microbiology	MICRO 201	3
		MICRO 201L	1
BIO 191	Introduction to Biotechnology with Lab	BIOL 2T**	3
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 Biology-Nucleic Acids	BIOL 2T**	5
BIO 251	Cell and Molecular Biology-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 900	Field Studies in Medical Sciences	CAREER/TECH	
BIO 922	Field Studies	BIOL 2T**	1-4

BUILDING MAINTENANCE

BMA 165-177	By Title	CAREER/TECH	
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BIOMASS OPERATIONS TECHNOLOGY

BPT 102-128	By Title	CAREER/TECH	
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BUSINESS

BUS 102*	Introduction to Business	BUSAD 250	3
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**BUS 102 will transfer as BUSAD 250 if the course is taken Spring 2015 or later.*

BUS 112	Business Math	BUSAD 1T**	3
BUS 131-150	By Title	CAREER/TECH	
BUS 185	Business Law I	ACCT 215	3
BUS 186	Business Law II	ACCT 2T**	3
BUS 220	Introduction to International Business	BUSAD 2T**	3
BUS 231	Quantitative Methods/Business Decisions	MGMT 2T**	4
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 119-126	By Title	CAREER/TECH	
CAD 139*	Introduction to CAD/CAM	TSM 1T**	3
CAD 148-183	By Title	CAREER/TECH	
CAD 184*	Solidworks for Die Design	TSM 1T**	3
CAD 215-254	By Title	CAREER/TECH	

When CAD 139 and CAD 184 are both taken, the courses will transfer as TSM 116 (3) and TSM 1T (3).*

CIVIL ENGINEERING TECHNOLOGY

CET 101-307	By Title	CAREER/TECH	
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CHEMISTRY

CHM 105	Survey of Chemistry	CHEM 160	3
CHM 122	Introduction to General Chemistry	CHEM 163	3
		CHEM 163L	1
CHM 132	Introduction to Organic/Biochemistry	CHEM 1T**	4
CHM 165	General Chemistry I	CHEM 177	3
		CHEM 177L	1
CHM 175	General/Inorganic Chemistry II	CHEM 178	3
		CHEM 178L	1
CHM 263	Organic Chemistry I	CHEM 331	3
		CHEM 333L	2
CHM 273	Organic Chemistry II	CHEM 332	3
		CHEM 334L	2
CHM 922	Field Studies	CHEM 2T**	1-4

COMPUTER PROGRAMMING

CIS 125	Introduction to Programming Logic w/Lang	COM S 2T**	3
CIS 137	Introduction to Cloud Computing	CAREER/TECH	3
CIS 152	Data Structures	COM S 2T**	3
CIS 154	Computational Structures	COM S 2T**	3
CIS 161-169	By Title	CAREER/TECH	
CIS 171	Java	COM S 1T**	3
CIS 174-338	By Title	CAREER/TECH	
CIS 402	Cobol	COM S 201	3
CIS 413	Cobol II	COM S 2T**	4
CIS 450-943	By Title	CAREER/TECH	

COMMUNICATION

COM 146	Gender, Sexuality, and Media	JL MC 1T**	3
COM 148	Diversity and the Media	JL MC 1T**	3
COM 703	Communication Skills	CAREER/TECH	

BUILDING TRADES

CON 205-949	By Title	CAREER/TECH	
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REAL-TIME REPORTING

CRC 100-275	By Title	CAREER/TECH	
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CRIMINAL JUSTICE

CRJ 100	Introduction to Criminal Justice	C J 240	3
CRJ 101	Ethics in Criminal Justice	C J 1T**	3
CRJ 107	Survey of Criminal Justice Agencies	C J 1T**	3
CRJ 109	Theories of Interviewing	C J 1T**	3
CRJ 111	Police and Society	C J 1T**	3
CRJ 120	Introduction to Corrections	C J 1T**	3
CRJ 128	Victimology	C J 1T**	3
CRJ 141	Criminal Investigation	C J 1T**	3
CRJ 178	E-Crime Investigative Methods	C J 1T**	3
CRJ 196-198	By Title	CAREER/TECH	
CRJ 200	Criminology	C J 242	3
CRJ 201	Juvenile Delinquency	C J 241	3
CRJ 220	Community-Based Corrections	C J 2T**	3
CRJ 222	Correctional Treatment Method	C J 2T**	3

CRIMINAL JUSTICE, continued

CRJ 237	Criminal and Constitutional Law	C J 2T**	3
CRJ 245	Scientific Investigation	C J 2T**	3
CRJ 292	Police Physical Fitness and Condition	KIN 2T**	1
CRJ 293	Criminal Justice Report Writing	C J 2T**	1
CRJ 294	Criminal Justice Communication Strategies	C J 2T**	3
CRJ 296-297	By Title	CAREER/TECH	
CRJ 301	Introduction to Homeland Security	C J 2T**	3
CRJ 302	Transportation and Border Security	C J 2T**	3
CRJ 303	Intelligence Analysis and Security Management	C J 2T**	3
CRJ 305	Introduction to Cyber Terrorism	C J 2T**	3
CRJ 317	White-Collar Crime	C J 2T**	3
CRJ 325-329	By Title	CAREER/TECH	
CRJ 333	CSI and Forensic Photography	C J 2T**	2
CRJ 932	Internship	C J 2T**	3
CRJ 949	Special Topics	CAREER/TECH	3

COLLISION REPAIR AND REFINISH

CRR 101-877	By Title	CAREER/TECH	
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COMPUTER SCIENCE

CSC 105	Computer Essentials	COM S 1T**	1
CSC 109	Experience Information Technology	CAREER/TECH	
CSC 116	Information Computing	COM S 113	3

DATA ANALYSIS

DAT 201-500	By Title	CAREER/TECH	
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DENTAL ASSISTANT

DEA 253-702	By Title	CAREER/TECH	
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DENTAL HYGIENE

DHY 114-302	By Title	CAREER/TECH	
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DRAMA-FILM AND THEATRE

DRA 101	Introduction to Theatre	THTRE 106	3
DRA 105	Budgeting for Artists	CAREER/TECH	
DRA 111	Survey of Musical Theatre	THTRE 1T**	3
DRA 125	Introduction to Play Analysis	THTRE 263	3
DRA 127	Stage Combat	THTRE 1T**	3
DRA 130	Acting I	THTRE 251	3
DRA 132	Acting II	THTRE 2T**	3
DRA 134	Improvational Acting	THTRE 1T**	3
DRA 139	Acting for the Camera	THTRE 1T**	3
DRA 143	The Business of Acting	THTRE 1T**	3
DRA 147	Creative Drama School/Rec	THTRE 1T**	3
DRA 148	Voice and Movement	THTRE 151	3
DRA 162	Technical Theatre	THTRE 255	3
DRA 180-181	Theatre Lab I, II	THTRE 1T**	1 each
DRA 199	Musical Theatre Dance	THTRE 1T**	3
DRA 201	Fundamental Arts Management	THTRE 2T**	3
DRA 202	Design Principles	THTRE 2T**	3
DRA 222	Performing Shakespeare	THTRE 2T**	3

DRAMA-FILM AND THEATRE, continued

DRA 223	Performing Musical Theatre	THTRE 2T**	3
DRA 224	Musical Theatre Auditions	THTRE 2T**	3
DRA 228	Introduction to Voice Acting	THTRE 2T**	3
DRA 240	Stage Management	THTRE 2T**	3
DRA 250	Directing	THTRE 2T**	3
DRA 252	Playwriting	THTRE 2T**	3
DRA 280-281	Theatre Lab III, IV	THTRE 2T**	1 each
DRA 945	Practicum I	THTRE 1T**	2
DRA 946	Practicum II	THTRE 1T**	3
DRA 948	Practicum III	THTRE 1T**	4

DIESEL

DSL 110-913	By Title	CAREER/TECH	
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EARLY CHILDHOOD EDUCATION

ECE 103	Introduction to Early Childhood Education	HD FS 1T**	3
ECE 106	Child Development Associate Standards	HD FS 1T**	1
ECE 114	Dual Language Learners in ECE	HD FS 1T**	3
ECE 130	Emergency Care	H S 105	1
ECE 133	Child Health, Safety, and Nutrition	HD FS 1T**	3
ECE 151	Individualizing for Children	HD FS 1T**	3
ECE 152	Learning with Digital Media	EDUC 1T**	3
ECE 158-159	Early Childhood Curriculum I, II	HD FS 1T**	3 each
ECE 170	Child Growth and Development	HD FS 1T**	3
ECE 215	Home, School, and Community Relations	HD FS 2T**	3
ECE 221	Infant/Toddler Care and Education	HD FS 2T**	3
ECE 242	Child Life Theory	HD FS 2T**	3
ECE 243	Early Childhood Guidance	HD FS 2T**	3
ECE 268	Early Childhood Field Experience	HD FS 2T**	4
ECE 281	Practicum	HD FS 2T**	2
ECE 290	Early Childhood Program Administration	HD FS 2T**	3
ECE 343	Early Childhood Guidance Lab	HD FS 2T**	1
ECE 359	Early Childhood Curriculum II Lab	HD FS 2T**	1
ECE 930	Administrative Practicum	HD FS 2T**	1
ECE 932	Internship	HD FS 2T**	2

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 213	Introduction to Education	EDUC 204	3
	Introduction to Education	EDUC 280L	R
EDU 218	Initial Field Experience	EDUC 280L	1
	Initial Field Experience	EDUC 1T**	1
EDU 245	Exceptional Learner	SP ED 250	3
EDU 252	Communication and Collaborative Partnerships	EDUC 2T**	3
EDU 253	Behavior Management & Social Interaction Skills	EDUC 2T**	3
EDU 255	Technology in the Classroom	EDUC 201	3

ENGINEERING

EGR 100	Engineering Orientation	ENGR 101	1
EGR 151*	Engineering Visual Basic	ENGR 1T**	2
EGR 152 ^s	Engineering MATLAB	ENGR 1T**	2
EGR 155 ^x	Engineering C/C++	ENGR 1T**	2
EGR 161* ^{sx}	Engineering Computations	ENGR 1T**	2

**When EGR 151 and EGR 161 are both taken, the courses will transfer as ENGR 160.*

^sWhen EGR 152 and EGR 161 are both taken, the courses will transfer as ENGR 160.

^xWhen EGR 155 and EGR 161 are both taken, the courses will transfer as ENGR 160 (2) and CPR E 161 (2).

EGR 166	Engineering Graphics/Conceptual Design	ENGR 170	4
EGR 180	Statics	C E 274	3
EGR 290	Thermodynamics	M E 231	3
EGT 400	PLTW Introduction to Engineering Design	M E 170	3
EGT 410-900	By Title	CAREER/TECH	

ENGLISH LANGUAGE LEARNERS

ELL 098-099	By Title		No Credit
ELL 108	Reading and Communication Accuracy		4
ELL 109	Grammar and Writing Accuracy		4

ELECTRICAL TECHNOLOGY

ELE 236-901	By Title	CAREER/TECH	
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ELECTRONICS

ELT 093	Concepts Electronics/Computers		No Credit
ELT 106-951	By Title	CAREER/TECH	

EMERGENCY MEDICAL TECHNICIAN - BASIC

EMS 105-505	By Title	CAREER/TECH	
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ENGLISH

ENG 060-061	College Prep Writing I, II		No Credit
ENG 105	Composition I	ENGL 150	3
ENG 106	Composition II	ENGL 250	3
ENG 108	Composition II: Technical Writing	ENGL 1T**	3
ENG 145	Strategies for Composition	ENGL 1T**	2
ENG 221	Creative Writing	ENGL 207	3
ENG 225	Creative Writing: Poetry	ENGL 2T**	3
ENG 230	Creative Writing: Fiction	ENGL 2T**	3
ENG 235	Playwriting and Screenwriting	ENGL 2T**	3

ENVIRONMENTAL SCIENCE

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

NON-INTENSIVE ESL

ESL 093-097	By Title		No Credit
ESL 103 ¹	Advanced Academic ESL Grammar	ENGL 101	4
ESL 104 ¹	Advanced Academic ESL Writing	ENGL 101	3
ESL 107 ¹	Advanced Academic ESL Reading	ENGL 101	3

¹*Transfer credit in ENGL 101 does not count toward graduation.*

FINANCE

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

FIRE SCIENCE

FIR 101-400	By Title	CAREER/TECH	
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FOREIGN LANGUAGE-ARABIC

FLA 141	Elementary Arabic I	ARABC 101	4
FLA 142	Elementary Arabic II	ARABC 102	4
FLA 241	Intermediate Arabic I	ARABC 201	4
FLA 242	Intermediate Arabic II	ARABC 202	4

FOREIGN LANGUAGE-CHINESE

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

FOREIGN LANGUAGE-FRENCH

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

FOREIGN LANGUAGE-GERMAN

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

FOREIGN LANGUAGE-ITALIAN

FLI 141, 142	Elementary Italian I, II	WLC 1T**	4 each
FLI 241, 242	Intermediate Italian I, II	WLC 2T**	4 each

FOREIGN LANGUAGE-JAPANESE

FLJ 141, 142	Elementary Japanese I, II	WLC 1T**	4 each
FLJ 241, 242	Intermediate Japanese I, II	WLC 2T**	4 each

FOREIGN LANGUAGE-SPANISH

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

FOREIGN LANGUAGE-SPANISH, continued

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

GEOGRAPHY

GEO 111	Introduction to Geography	S SCI 1T**	3
GEO 124	Regional Geography of the Non-West World	S SCI 1T**	3
GEO 125	Regional Geography of the Developing World	S SCI 1T**	3

GLOBAL STUDIES

GLS 199	Japan: The Changing Tradition	HUM 1T**	2
GLS 200	Country Study	LAS 2T**	3
GLS 210	International Year Seminar	INTST 2T**	3
GLS 220	The Middle East and Islam	HUM 2T**	3
GLS 230	Latin America	HUM 2T**	3
GLS 235	Introduction to International Studies	INTST 235	3

GRAPHIC DESIGN

GRD 301-900	By Title	CAREER/TECH	
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GRAPHIC TECHNOLOGIES

GRT 400-932	By Title	CAREER/TECH	
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HOSPITALITY, CULINARY ARTS, AND MANAGEMENT

HCM 100	Sanitation and Safety	HSP M 233	2
HCM 110-124	By Title	CAREER/TECH	
HCM 143	Food Preparation I	HSP M 2T**	3
HCM 144	Food Preparation I Lab	HSP M 1T**	3
HCM 152, 153	Food Preparation II, II Lab	HSP M 2T**	2 each
HCM 167**	Culinary Skills Development	HSP M 2T**	3
HCM 168-170	By Title	CAREER/TECH	
HCM 172*	International Cuisine (Lab)	HSP M 1T**	3
HCM 173*	International Cuisine	HSP M 1T**	2

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

HCM 175-200	By Title	CAREER/TECH	
HCM 210**	Dining Management	HSP M 2T**	2

***When HCM 167 and HCM 210 are both taken, the courses will transfer as HSP M 380 (3) and HSP M 380L (2).*

HCM 215-240	By Title	CAREER/TECH	
HCM 250	Purchasing	HSP M 2T**	2
HCM 270	Garde Manger	CAREER/TECH	
HCM 300	Beverage Management	HSP M 2T**	2
HCM 320	Introduction to Hospitality Industry	HSP M 101	2
HCM 347-550	By Title	CAREER/TECH	
HCM 600	Introduction to Lodging Operations	HSP M 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 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 201	Iowa History	HIST 2T**	3
HIS 211	Modern Asian History	HIST 2T**	3
HIS 214	Russian History and Culture	HIST 2T**	3
HIS 249	Study Abroad: British Life and Culture	HIST 2T**	3
HIS 257	African-American History	HIST 2T**	3
HIS 274	Women's History: United States	HIST 2T**	3
HIS 280	Family History Research	HIST 2T**	3

HEALTH INFORMATION TECHNOLOGY

HIT 121-524	By Title	CAREER/TECH	
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HONORS

HON 100	Introduction to Honors	U ST 1T**	2
HON 200	Honors Capstone	U ST 1T**	2

HEALTH SCIENCES

HSC 101-232	By Title	CAREER/TECH	
HSC 240	Human Nutrition	FS HN 167	3
HSC 281-300	By Title	CAREER/TECH	

HUMAN SERVICES

HSV 109	Introduction to Human Services	HD FS 2T**	3
HSV 130	Interviewing/Interpersonal Relations	PSYCH 1T**	3
HSV 135	Gender Studies	PSYCH 1T**	3
HSV 185	Discrimination and Diversity	SOC 1T**	3
HSV 220	Introduction to Counseling Theories	PSYCH 2T**	3
HSV 255	Addictive Disease Concepts	PSYCH 2T**	3
HSV 286	Intervention Theories/Practice I	PSYCH 2T**	3
HSV 803	Seminar	S SCI 2T**	1
HSV 804	Internship	SOC 2T**	2

HUMANITIES

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

INDUSTRIAL TECHNOLOGY

IND 114-904	By Title	CAREER/TECH	
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INFORMATICS

INF 110	Fundamental Informatics	CAREER/TECH	
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INTERIOR DESIGN

INT 114-262	By Title	CAREER/TECH	
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INTERPRETATION AND TRANSLATION

ITR 101	Introduction to Interpreting and Translation	LING 1T**	3
ITR 102	Tools for Interpreters and 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	Interpretation/Translation Ethics II	HUM 1T**	3
ITR 271	Healthcare Terminology and Sight Translation	WLC 2T**	3
ITR 273	Healthcare Interpretation I	WLC 2T**	3
ITR 274	Healthcare Interpretation II	WLC 2T**	3
ITR 277	Healthcare Translation	WLC 2T**	3
ITR 291	Judiciary Terminology and Sight Translation	WLC 2T**	3
ITR 293	Judiciary Interpretation I	WLC 2T**	3
ITR 294	Judiciary Interpretation II	WLC 2T**	3
ITR 297	Judiciary Translation	WLC 2T**	3
ITR 871	Healthcare I/T Internship	WLC 2T**	3
ITR 891	Judiciary I/T Internship	WLC 2T**	3
ITR 910	Emphasis Seminar	LING 1T**	3

JOURNALISM

JOU 110	Introduction to Mass Media	JL MC 101	3
JOU 113	Gender, Sexuality, and Media	JL MC 1T**	3
JOU 114	Diversity and the Media	JL MC 1T**	3
JOU 115	Introduction to Journalism	JL MC 240	3
JOU 121	News Writing and Reporting	JL MC 2T**	3
JOU 122	Introduction to News Production	JL MC 2T**	3
JOU 124	Digital Media Production	JL MC 1T**	3
JOU 130	Introduction to Audio Production	JL MC 1T**	3
JOU 142-143	News Practicum I, II	JL MC 1T**	2 each
JOU 163	News Media and Politics	JL MC 2T**	3
JOU 165	Principles of Advertising	ADV RT 230	3
JOU 167	Principles of Public Relations	P R 220	3
JOU 242-243	News Practicum III, IV	JL MC 2T**	2 each

LITERATURE

LIT 101	Introduction 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 150-151	World Literature I, II	ENGL 2T**	3 each
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
LIT 209	Literature Film Adaptation	ENGL 2T**	3
LIT 210	The Graphic Novel	ENGL 2T**	3

MEDICAL ASSISTANT

MAP 106-807	By Title	CAREER/TECH	
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MATHEMATICS

MAT 045-099	By Title		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 143	5
MAT 130	Trigonometry	MATH 1T**	3
MAT 141	Finite Mathematics	MATH 104	4
MAT 148	Linear Algebra with Applications	MATH 207	4
MAT 156	Statistics	STAT 104	3
MAT 162	Principles of Business Statistics	STAT 226	4
MAT 164	Calculus for Business and Social Science	MATH 151	4
MAT 211	Calculus I	MATH 165	5
MAT 217	Calculus II	MATH 166	5
MAT 219	Calculus III	MATH 265	4
MAT 227	Differential Equations with Laplace	MATH 267	4
MAT 772-773	By Title	CAREER/TECH	
MAT 810	Math for Liberal Arts Support Lab	MATH 1T**	1
MAT 821	College Algebra Support Lab	MATH 1T**	1
MAT 841	Finite Mathematics Support Lab	MATH 1T**	1
MAT 856	Statistics Support Lab	STAT 1T**	1
MAT 900	Field Studies in Actuarial Science	CAREER/TECH	

MANUFACTURING

MFG 105-932	By Title	CAREER/TECH	
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MANAGEMENT

MGT 101	Principles of Management	MGMT 2T**	3
MGT 128	Organizational Behavior	CAREER/TECH	
MGT 130	Principles of Supervision	MGMT 2T**	3
MGT 145	Human Relations in Management	MGMT 2T**	3
MGT 147	Leadership Development	TSM 2T**	3
MGT 164	Total Quality Management	TSM 310	3
MGT 170-190	By Title	CAREER/TECH	
MGT 260	Introduction to Business Logistics	SCM 2T**	3
MGT 266	Principles of Supply Chain Management	SCM 2T**	3
MGT 800-802	By Title	CAREER/TECH	

MARKETING

MKT 110	Principles of Marketing	MKT 2T**	3
MKT 115	Business-to-Business Marketing	MKT 2T**	3
MKT 121-135	By Title	CAREER/TECH	
MKT 140	Selling	MKT 2T**	3
MKT 145	Sales Management	MGMT 2T**	3
MKT 150	Principles of Advertising	ADVRT 230	3
MKT 160	Principles of Retailing	A M D 175	3
MKT 182-184	By Title	CAREER/TECH	

MEDICAL LABORATORY TECHNOLOGY

MLT 115-292	By Title	CAREER/TECH	
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ARCHITECTURAL MILLWORK

MLW 440-449	By Title	CAREER/TECH	
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MASS MEDIA STUDIES

MMS 208-486	By Title	CAREER/TECH	
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MORTUARY SCIENCE

MOR 215-941	By Title	CAREER/TECH	
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APPLIED MUSIC

MUA 101	Applied Voice	MUSIC 1T**	1
MUA 120	Applied Piano	MUSIC 1T**	1
MUA 147	Applied Instrumental	MUSIC 1T**	1

GENERAL MUSIC

MUS 100	Music Appreciation	MUSIC 102	3
MUS 102	Music Fundamentals	MUSIC 101	3
MUS 106	Music Theory I	MUSIC 101	4
MUS 107	Music Theory II	MUSIC 224	4
MUS 143	Concert Choir	MUSIC 1T**	3
MUS 202	World Music	MUSIC 2T**	3
MUS 204	History of Rock and Roll	MUSIC 2T**	3
MUS 205	Jazz History and Appreciation	MUSIC 2T**	3
MUS 275	Chamber Ensemble	MUSIC 2T**	3
MUS 329	Medieval-Renaissance History/Theory	MUSIC 2T**	4
MUS 337	20th Century Music History/Theory	MUSIC 2T**	4

COMPUTER NETWORKING

NET 120-932	By Title	CAREER/TECH	
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OPTOMETRIC/OPHTHALMIC TECHNICIAN

OPT 110-818	By Title	CAREER/TECH	
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PHYSICAL EDUCATION ACTIVITIES

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 163	1
PEA 164	Swimming I	KIN 101	1
PEA 174	Tennis I	KIN 158	1
PEA 176	Volleyball I	KIN 182	1
PEA 184	Water Safety Instruction/Lifeguard Training	KIN 1T**	3
PEA 187	Weight Training I	KIN 166	1
PEA 234	Golf II	KIN 2T**	1
PEA 248	Advanced Strength and Conditioning	KIN 266	2
PEA 284	Advanced Lifesaving	KIN 115	1

COACHING OFFICIATING

PEC 110	Coaching Ethics, Tech, and Theory	KIN 1T**	1
PEC 115	Athletic Development and Human Growth	KIN 1T**	1
PEC 122	Introduction to Anatomy and Physiology for Coaching	KIN 1T**	1
PEC 170	Sports Officiating: Basketball	KIN 1T**	1
PEC 173	Officiating: Softball/Baseball	KIN 1T**	1
PEC 177	Sports Officiating: Football	KIN 1T**	1
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

PHYSICAL EDUCATION AND HEALTH-GENERAL

PEH 102	Health	H S 110	3
PEH 110	Personal Wellness	KIN 1T**	2
PEH 120-125	Principles Personal Training I, II	KIN 1T**	3 each
PEH 141	First Aid	H S 1T**	2
PEH 162	Introduction 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
PEH 262	Wellness Prog/Planning/Organization	KIN 2T**	3
PEH 266	Leadership Tech Fitness Program	KIN 259	3
PEH 920	Field Experience	KIN 2T**	2

PHYSICAL EDUCATION TRAINING

PET 110	Introduction to Athletic Training	A TR 220	2
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INTERCOLLEGIATE PHYSICAL EDUCATION

PEV 115	Varsity Baseball	ATH 101	1
PEV 121	Varsity Basketball, Men	ATH 101B	1
PEV 122	Varsity Basketball, Women	ATH 101C	1
PEV 130	Varsity Cross Country	ATH 101	1
PEV 140	Varsity Golf	ATH 101	1
PEV 160	Varsity Softball	ATH 101K	1
PEV 170	Varsity Volleyball	ATH 101R	1
PEV 190	Varsity Spirit Squad	KIN 1T**	1

PHLEBOTOMY

PHB 113-280	By Title	CAREER/TECH	
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PHILOSOPHY

PHI 101	Introduction to Philosophy	PHIL 201	3
PHI 105	Introduction to Ethics	PHIL 230	3
PHI 111	Basic Reasoning	PHIL 206	3

PHARMACY TECHNICIAN

PHR 180-804	By Title	CAREER/TECH	
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PHYSICAL SCIENCE

PHS 152	Astronomy	ASTRO 120	4
PHS 166	Meteorology, Weather, and Climate	MTEOR 206	4

PHYSICS

PHY 106	Survey of Physics	PHYS 1T**	4
PHY 160	General Physics I	PHYS 131	4
		PHYS 131L	1
PHY 161	General Physics II	PHYS 132	4
		PHYS 132L	1
PHY 213	Classical Physics I	PHYS 231	5
		PHYS 231L	1
PHY 223	Classical Physics II	PHYS 232	5
		PHYS 232L	1
PHY 710	Technical Physics	CAREER/TECH	

PRACTICAL NURSING

PNN 140-606	By Title	CAREER/TECH	
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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 125	Comparative Government and Politics	POL S 125	3
POL 129	Politics of Terrorism	POL S 2T**	3
POL 163	News Media and Politics	POL S 2T**	3
POL 171	Introduction to Public Administration	POL S 2T**	3

PARALEGAL

PRL 102	Introduction to Paralegal Studies	CAREER/TECH	
PRL 103	Introduction to Law	C J 1T**	3
PRL 104	Legal Technology and eDiscovery	CAREER/TECH	
PRL 105	Legal Ethics	C J 1T**	1
PRL 112, 113	Legal Research and Writing I, II	C J 1T**	3 each
PRL 125	Evidence: Theory and Practice	C J 1T**	3
PRL 135-143	By Title	CAREER/TECH	
PRL 151	Real Estate Law	C J 1T**	3
PRL 155	Insurance Law and Regulation Compliance	CAREER/TECH	
PRL 161	Family Law	C J 1T**	3
PRL 167	Probate Procedure	C J 1T**	3
PRL 171	Administrative Law	C J 1T**	3
PRL 174-932	By Title	CAREER/TECH	

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 100-805	By Title	CAREER/TECH	
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READING

RDG 038-049	By Title		No Credit
RDG 163	Speed Reading	ENGL 1T**	3

RELIGION

REL 101	Survey of World Religions	RELIG 205	3
REL 130	Introduction to Religions of the East	RELIG 1T**	3
REL 140	Religion in the United States	RELIG 210	3
REL 150	Introduction to the Bible	RELIG 1T**	3

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 129	Transition to College	ORIEN 1T**	1
SDV 157	Building a Professional Portfolio	CAREER/TECH	
SDV 164	Electronic Portfolio Development	XXX 1T**	2
SDV 165	Transfer Planning	U ST 1T**	1
SDV 171	Library Instruction	LIB 160	1
SDV 197	SAC Experience	XXX 1T**	1
SDV 212-227	By Title	CAREER/TECH	
SDV 288	Leadership Development Studies	XXX 2T**	3

SUSTAINABLE ENERGY RESOURCES

SER 260	Solar Plus Storage Concepts	CAREER/TECH	
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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 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 282	Environmental Sociology	SOC 2T**	3

SPEECH

SPC 101	Fundamentals of Oral Communication	SP CM 212	3
SPC 120	Intercultural Communication	COMST 1T**	3
SPC 122	Interpersonal Communication	COMST 211	3
SPC 126	Interpersonal and Small Group Communication	COMST 211	3
SPC 170	Professional Communication	COMST 214	3

SURVEY

SRV 110-305	By Title	CAREER/TECH	
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SURGICAL TECHNOLOGY

SUR 105-910	By Title	CAREER/TECH	
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TELECOMMUNICATION

TEL 111-243	By Title	CAREER/TECH	
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WATER AND WASTEWATER TREATMENT TECHNOLOGY

WAT 100-932	By Title	CAREER/TECH
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WORK-BASED LEARNING

WBL 100-150	By Title	CAREER/TECH
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WEB DEVELOPER

WDV 101-932	By Title	CAREER/TECH
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WELDING

WEL 208-710	By Title	CAREER/TECH
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WIND ENERGY AND TURBINE TECH

WTT 103-247	By Title	CAREER/TECH
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