

Course Equivalency Guide

between

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

and

Southwestern Community College
800-247-4023
www.swcciaowa.edu

***Based on the Southwestern 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 applies 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 111	Introduction to Accounting	ACCT 1T**	3
ACC 121	Principles of Accounting I	ACCT 284	3
ACC 131	Principles of Accounting I	ACCT 284	4
ACC 132	Principles of Accounting II	ACCT 285	4
ACC 142	Financial Accounting	ACCT 284	3
ACC 146	Managerial Accounting	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 231	Intermediate Accounting I	ACCT 2T**	4
ACC 232	Intermediate Accounting II	ACCT 2T**	4
ACC 237	Intermediate Accounting	ACCT 2T**	4
ACC 261	Income Tax Accounting	ACCT 2T**	3
ACC 265	Income Tax Accounting	ACCT 2T**	4
ACC 311	Computer Accounting	ACCT 2T**	3
ACC 332	Computer Accounting - QuickBooks	CAREER/TECH	
ACC 928	Independent Study	ACCT 2T**	1-3
ACC 949	Special Topics	ACCT 2T**	1-3

ADMINISTRATIVE ASSISTANT

ADM 112-162	By Title	CAREER/TECH	
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ASSOCIATE DEGREE NURSING

ADN 231-831	By Title	CAREER/TECH	
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AGRICULTURE - AGRONOMY

AGA 114	Principles of Agronomy	AGRON 181	3
AGA 154	Fundamentals of Soil Science	AGRON 182	3
AGA 158	Soil Fertility	AGRON 1T**	3
AGA 181	Introduction to Crop Science	AGRON 181	3
AGA 182	Introduction to Soil Science	AGRON 182	3
AGA 212	Grain and Forage Crops	AGRON 280	4
AGA 376	Integrated Pest Management	AGRON 1T**	3
AGA 390	Introduction to Renewable Resources	AGRON 120	3
AGA 450	Issues in Sustainable Agriculture	AGRON 1T**	3
AGA 928	Independent Study	AGRON 2T**	1-3
AGA 949	Special Topics	CAREER/TECH	

AGRICULTURE - FARM MANAGEMENT

AGB 210	Agricultural Law	ECON 2T**	2
AGB 235	Introduction to Agriculture Markets	ECON 235	3
AGB 326	Farm Records Accounts and Analysis	ECON 1T**	3
AGB 330	Farm Business Management	ECON 230	3
AGB 336	Agricultural Selling	ECON 236	3
AGB 437	Commodity Marketing	ECON 235	3
AGB 466	Agricultural Finance	ECON 1T**	3
AGB 928	Independent Study	ECON 2T**	1-3
AGB 932	Internship	ECON 297	3
AGB 949	Special Topics	CAREER/TECH	

SOUTHWESTERN COMMUNITY COLLEGE		ISU EQUIVALENT	CREDITS
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AGRICULTURE - COMPREHENSIVE

AGC 216	Career Seminar	AGEDS 2T**	2
AGC 315	Leadership in Agriculture	AGEDS 1T**	3
AGC 403	Sustainable Agriculture	AGRON 2T**	2
AGC 420	Issues in Agriculture	SOC 220	3
AGC 908-909	Agriculture Lab I, II	CAREER/TECH	
AGC 928	Independent Study	TSM 2T**	1-3
AGC 949	Special Topics	CAREER/TECH	

AGRICULTURE - HORTICULTURE

AGH 131	Greenhouse Mangement	HORT 1T**	3
AGH 221	Principles of Horticulture	HORT 221	3
AGH 284	Pesticide Application Certification	ENT 283	3
AGH 928-949	By Title	CAREER/TECH	

AGRICULTURE - MECHANICS

AGM 154-949	By Title	CAREER/TECH	
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AGRICULTURE- PRECISION AG

AGP329	Introduction to GPS	TSM 2T**	3
AGP333	Precision Farming Systems	TSM 2T**	3
AGP 928-949	By Title	CAREER/TECH	

AGRICULTURE - ANIMAL SCIENCE

AGS 112	Survey of the Animal Industry	AN S 114	3
	Survey of the Animal Industry	AN S 101	1
AGS 113	Survey of the Animal Industry	AN S 114	3
AGS 216	Equine Science	AN S 216	3
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 270	Foods of Animal Origin	AN S 270	3
AGS 280	Livestock Merchandising	AN S 2T**	3
AGS 305	Livestock Evaluation	AN S 2T**	3
AGS 319-355	By Title	CAREER/TECH	
AGS 928	Independent Study	AN S 2T**	1-3
AGS 949	Special Topics	CAREER/TECH	

ANTHROPOLOGY

ANT 105	Cultural Anthropology	ANTHR 201	3
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ART

ART 101	Art Appreciation	ART 1T**	3
ART 102	Art for Elementary Education	ARTED 211	3
ART 110	Contemporary Art and Issues	ART 1T**	3
ART 117	Computer Graphic Design	ART 1T**	3
ART 120	2-D Design	ART 1T**	3
ART 123	3-D Design	ART 1T**	3
ART 124	Computer Art	ART 1T**	3
ART 130	Introduction to Computer Animation	ART 1T**	3
ART 133-134	Drawing I, II	ART 1T**	3 each
ART 143-144	Painting I, II	ART 1T**	3 each
ART 145	Water Color	ART 1T**	3

ART, continued

ART 157	Printmaking	ART 1T**	3
ART 161	Digital Art	ART 1T**	3
ART 163	Sculpture	ART 1T**	3
ART 173-174	Ceramics I, II	ART 1T**	3 each
ART 186	Digital Photography	ART 1T**	3
ART 198-199	Art Explorations I, II	ART 1T**	1 each
ART 203	Art History I	ART H 280	3
ART 204	Art History II	ART H 281	3
ART 207	Survey of Art	ART H 2T**	3
ART 230	Principles of Art Education	ARTED 211	3
ART 928	Independent Study	ART 2T**	1-3
ART 949	Special Topics	ART 2T**	1-3

AUTOMOTIVE TECHNOLOGY

AUT 104-870	By Title	CAREER/TECH	
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BUSINESS COMPUTER APPLICATION

BCA 120-147	By Title	CAREER/TECH	
BCA 152	Comprehensive Spreadsheets	COM S 1T**	3
BCA 167	Comprehensive Databases	COM S 1T**	3

When BCA 152 and BCA 167 are both taken, the courses will transfer as COM S 113 (3).

BCA 214	Advanced Computer Business Applications	CAREER/TECH	
BCA 215	Computer Business Applications	COM S 2T**	3
BCA 218-949	By Title	CAREER/TECH	

BIOLOGY

BIO 105	Introductory Biology (with lab)	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 114	General Biology IA (w lab)	BIOL 2T**	4
BIO 115	General Biology IIA (w lab)	BIOL 2T**	4

When BIO 114 and BIO 115 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 130	Animal Biology (with lab)	BIOL 1T**	4
BIO 146	Genetics	BIOL 1T**	3
BIO 151	Nutrition	FS HN 167	3
BIO 157	Human Biology (with lab)	BIOL 155	4
BIO 162	Essentials of Anatomy and Physiology	BIOL 155	3
BIO 163	Essentials of Anatomy and Physiology (w/lab)	BIOL 155	4
BIO 168	Human Anatomy and Physiology I (w/lab)	BIOL 1T**	4
BIO 173	Human Anatomy and Physiology II (w/lab)	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).

SOUTHWESTERN COMMUNITY COLLEGE		ISU EQUIVALENT	CREDITS
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BIOLOGY, continued

BIO 186	Microbiology (with lab)	MICRO 201	3
		MICRO 201L	1
BIO 216	HIV/AIDS Seminar	BIOL 2T**	1
BIO 928	Independent Study	BIOL 2T**	1-3
BIO 949	Special Topics	BIOL 2T**	1-3

BUILDING MAINTENANCE

BMA 101-105	By Title	CAREER/TECH	
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BUSINESS

BUS 102	Introduction to Business	BUSAD 1T**	3
BUS 106	Employment Strategy	BUSAD 1T**	2
BUS 110	Business Math and Calculators	CAREER/TECH	
BUS 121	Business Communications	ENGL 1T**	3
BUS 130	Introduction to Entrepreneurship	MGMT 1T**	3
BUS 150	E-commerce	MKT 2T**	3
BUS 161	Human Relations	CAREER/TECH	
BUS 165	Introduction to Leadership	MGMT 1T**	3
BUS 180	Business Ethics	BUSAD 1T**	3
BUS 185	Business Law I	ACCT 215	3
BUS 186	Business Law II	ACCT 2T**	3
BUS 197	Leadership Development	BUSAD 1T**	3
BUS 210	Business Statistics	STAT 104	3
BUS 230	Quantitative Methods Business Decision Making	MATH 150	3
BUS 238	Business Problem Solving	MGMT 2T**	3
BUS 928	Independent Study	BUSAD 2T**	1-3
BUS 932	Internship	BUSAD 2T**	1-4
BUS 949	Special Topics	BUSAD 2T**	1-3

COMPUTER AIDED DRAFTING

CAD 101-113	AutoCAD I	CAREER/TECH	
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CHEMISTRY

CHM 110	Introduction to Chemistry	CHEM 50	No Credit
CHM 112	Introduction to Chemistry (w/lab)	CHEM 160	4
CHM 122	Introduction to General Chemistry	CHEM 163	3
	Introduction to General Chemistry Lab	CHEM 163L	1
CHM 132	Introduction to Organic and Biochemistry	CHEM 1T**	3
	Introduction to Organic and Biochemistry Lab	CHEM 1T**	1
CHM 151	College Chemistry I	CHEM 1T**	3
	College Chemistry I Lab	CHEM 1T**	1
CHM 152	College Chemistry II	CHEM 1T**	3
	College Chemistry II Lab	CHEM 1T**	1
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 261	Organic Chemistry I	CHEM 331	3
	Organic Chemistry I Lab	CHEM 331L	1
CHM 271	Organic Chemistry II	CHEM 332	3
	Organic Chemistry II Lab	CHEM 332L	1

SOUTHWESTERN COMMUNITY COLLEGE	ISU EQUIVALENT	CREDITS
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CHEMISTRY, continued

CHM 928	Independent Study	CHEM 2T**	1-3
CHM 949	Special Topics	CHEM 2T**	1-3

CANCER INFORMATION MANAGEMENT

CIM 205	Cancer Pathophysiology	CAREER/TECH	
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COMPUTER PROGRAMMING

CIS 121	Introduction to Programming Logic	COM S 1T**	3
CIS 152	Data Structures	COM S 2T**	3
CIS 161	C++	COM S 2T**	3
CIS 171	Java	COM S 2T**	3
CIS 230-339	By Title	CAREER/TECH	
CIS 604	Visual Basic	COM S 1T**	3
CIS 606	Visual Basic.Net I	COM S 1T**	3
CIS 612	Advanced Visual Basic	COM S 1T**	3
CIS 630	Introduction to Powershell	CAREER/TECH	
CIS 650	PC Operating Systems	COM S 2T**	3
CIS 750	Project Management	COM S 2T**	3
CIS 755	Management Information Systems	MIS 1T**	3
CIS 928	Independent Study	COM S 2T**	1-3
CIS 949	Special Topics	COM S 2T**	1-3

CULTURAL STUDIES

CLS 150	Latin American History and Culture	HIST 2T**	3
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COMMUNICATION

COM 140	Introduction to Mass Media	JL MC 101	3
COM 724	Employment Communications	CAREER/TECH	
COM 928	Independent Study	COMM 2T**	1-3
COM 949	Special Topics	COMM 2T**	1-3

CONSTRUCTION

CON 115-425	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 110	Patrol Procedures	C J 1T**	3
CRJ 111	Police and Society	C J 1T**	3
CRJ 118	Law Enforcement	C J 1T**	3
CRJ 120	Introduction to Corrections	C J 1T**	3
CRJ 128	Victimology	C J 1T**	3
CRJ 130	Criminal Law	C J 1T**	3
CRJ 132	Constitutional Law	C J 1T**	3
CRJ 133	Constitutional Criminal Procedure	C J 1T**	3
CRJ 141	Criminal Investigation	C J 1T**	3
CRJ 155	Introduction to Child Maltreatment and Advocacy	C J 1T**	3
CRJ 200	Criminology	C J 242	3
CRJ 201	Juvenile Delinquency	C J 241	3
CRJ 207	Drug Use and Abuse	H S 2T**	3
CRJ 230	Evidence	C J 220	3
CRJ 928	Independent Study	C J 2T**	1-3

SOUTHWESTERN COMMUNITY COLLEGE	ISU EQUIVALENT	CREDITS
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CRIMINAL JUSTICE, continued

CRJ 932	Internship	C J 2T**	3
CRJ 949	Special Topics	C J 2T**	1-3

COLLISION REPAIR/REFINISH

CRR 101-835	By Title	CAREER/TECH	
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COMPUTER SCIENCE

CSC 107	Computer Literacy		No Credit
CSC 110	Introduction to Computers	COM S 103	3
CSC 116	Information Computing	COM S 113	3
CSC 135	Digital Communications	CAREER/TECH	
CSC 928	Independent Study	COM S 2T**	1-3
CSC 949	Special Topics	COM S 2T**	1-3

DENTAL ASSISTANT

DEA 257	Dental Anatomy	CAREER/TECH	
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FILM AND THEATRE

DRA 101	Introduction to Theatre	THTRE 106	3
DRA 110	Introduction to Film	ENGL 237	3

DISABILITY SERVICES

DSV 160	Counseling Skills	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 133	Child Health, Safety and Nutrition	HD FS 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 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 287	Exceptional Learner	SP ED 250	3
ECE 290	Early Childhood Program Administration	HD FS 2T**	3

ECONOMICS

ECN 110	Introduction to Economics	ECON 1T**	3
ECN 115	Personal Finance	HD FS 283	3
ECN 120	Principles of Macroeconomics	ECON 102	3
ECN 130	Principles of Microeconomics	ECON 101	3
ECN 928	Independent Study	ECON 2T**	1-3
ECN 949	Special Topics	ECON 2T**	1-3

EDUCATION

EDU 110	Exploring Teaching	EDUC 1T**	3
EDU 120	Communication, Ethics, and Confidentiality	EDUC 1T**	2
EDU 121	Behavior Improvement	EDUC 1T**	2
EDU 122	Roles and Responsibilities	EDUC 1T**	2
EDU 128	Behavior Management & Instructional Strategies	EDUC 1T**	3
EDU 151	Observation in Teaching I	EDUC 1T**	1
EDU 165	Early Childhood: Pre-Kindergarten-Grade 3	EDUC 1T**	3

SOUTHWESTERN COMMUNITY COLLEGE		ISU EQUIVALENT	CREDITS
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EDUCATION, continued

EDU 170	Special Needs: Pre-Kindergarten-Grade 12	EDUC 1T**	3
EDU 210	Foundations of Education	EDUC 204	3
EDU 212	Educational Foundations	EDUC 2T**	3
EDU 213	Introduction to Education	EDUC 204	3
EDU 220	Human Relations for the Classroom Teacher	EDUC 2T**	3
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
EDU 928	Independent Study	EDUC 2T**	1-3
EDU 949	Special Topics	EDUC 2T**	1-3

ELECTRICAL TECHNOLOGY

ELE 110-932	By Title	CAREER/TECH	
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ELECTRONICS

ELT 160-793	By Title	CAREER/TECH	
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EMS

EMS 210	Emergency Medical Tech Basic	CAREER/TECH	
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ENGLISH COMPOSITION

ENG 013-043	By Title		No Credit
ENG 101	Elements of Writing	ENGL 1T**	3
ENG 105	Composition I	ENGL 150	3
ENG 106	Composition II	ENGL 250	3
ENG 109	Integrated Composition	ENGL 1T**	1
ENG 111	Technical Writing	ENGL 1T**	3
ENG 221	Creative Writing	ENGL 207	3
ENG 238	Creative Writing: Non-Fiction	ENGL 2T**	3
ENG 928	Independent Study	ENGL 2T**	1-3
ENG 949	Special Topics	ENGL 2T**	1-3

ENVIRONMENTAL SCIENCE

ENV 102	Introduction to Sustainability	ENSCI 1T**	3
ENV 111	Environmental Science (w/lab)	BIOL 173	4
ENV 145	Conservation Biology (w lab)	BIOL 1T**	4
ENV 154	Introduction to Renewable Energy	ENV S 1T**	3
ENV 928	Independent Study	ENV S 2T**	1-3
ENV 949	Special Topics	ENV S 2T**	1-3

NON-INTENSIVE ENGLISH AS A SECOND LANGUAGE

ESL 012	ESL Listening/Speaking		No Credit
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EXERCISE SCIENCE

EXS 101	Introduction to Exercise Science	KIN 1T**	3
EXS 216	Foundations of Strength and Conditioning	KIN 2T**	3

FINANCE

FIN 121	Personal Finance	HD FS 283	3
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SOUTHWESTERN COMMUNITY COLLEGE		ISU EQUIVALENT	CREDITS
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FOREIGN LANGUAGE - FRENCH

FLF 141	Elementary French I	FRNCH 101	4
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FOREIGN LANGUAGE - GERMAN

FLG 141	Elementary German I	GER 101	4
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FOREIGN LANGUAGE - SPANISH

FLS 141	Elementary Spanish I	SPAN 101	4
FLS 142	Elementary Spanish II	SPAN 102	4
FLS 231	Intermediate Spanish I	SPAN 201	3
FLS 232	Intermediate Spanish II	SPAN 202	3
FLS 242	Intermediate Spanish II	SPAN 202	4

GEOGRAPHY

GEO 121	World Regional Geography	S SCI 1T**	3
GEO 126	Cultural Geography	S SCI 1T**	3

GLOBAL STUDIES

GLS 100	Contemporary World Issues	S SCI 1T**	3
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GRAPHIC COMMUNICATIONS

GRA 112-949	By Title	CAREER/TECH	
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HISTORY

HIS 110	West Civilization: Ancient to Early Modern	HIST 201	3
HIS 111	West Civilization: Early Modern to Present	HIST 202	3
HIS 117	Western Civilization I: Ancient and Medieval	HIST 1T**	3
HIS 118	Western Civilization II: Early Modern	HIST 1T**	3
HIS 142	Middle Eastern Studies	HIST 1T**	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 224	Nazi Germany	HIST 2T**	3
HIS 231	Contemporary World Affairs	HIST 2T**	3
HIS 253	American Indian History and Culture	HIST 2T**	3
HIS 257	African American History	HIST 2T**	3
HIS 266	The Civil War	HIST 2T**	3
HIS 268	American Experience in Vietnam	HIST 2T**	3
HIS 271	American Frontier History	HIST 2T**	3
HIS 928	Independent Study	HIST 2T**	1-3
HIS 949	Special Topics	HIST 2T**	1-3

HEALTH INFORMATION TECHNOLOGY

HIT 170-485	By Title	CAREER/TECH	
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HONORS

HON 150	Honors Service Learning		1
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HEALTH SCIENCES

HSC 105-220	By Title	CAREER/TECH	
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HUMAN SERVICES

HSV 140	Social Work and Social Welfare	SOC 1T**	3
HSV 293	Substance Abuse Treatment and Planning	HD FS 2T**	3

HUMANITIES

HUM 105	Working in America	HUM 1T**	3
HUM 110	Changes and Choices	HUM 1T**	3
HUM 135	Humanities of the Early World	HUM 1T**	3
HUM 136	Humanities of the Renaissance	HUM 1T**	3
HUM 137	Humanities of the Modern World	HUM 1T**	3
HUM 164	Non-Western Culture - Japan	HUM 1T**	3
HUM 183	Living with Space, Time, and Technology	HUM 1T**	3
HUM 220	Mythology	HUM 2T**	3

INDUSTRIAL TECHNOLOGY

IND 114-195	By Title	CAREER/TECH	
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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 1T**	3
LIT 135	Film as Literature	ENGL 1T**	3
LIT 140	British Literature I	ENGL 225	3
LIT 141	British Literature II	ENGL 226	3
LIT 150	World Literature I	ENGL 1T**	3
LIT 161	The Short Story	ENGL 2T**	3
LIT 177	Dramatic Literature	ENGL 2T**	3
LIT 178	Mythological and Biblical Literature	HUM 2T**	3
LIT 180	Mythology	CL ST 1T**	3
LIT 184	Young Adult Literature	ENGL 2T**	3
LIT 185	Contemporary Literature	ENGL 1T**	3
LIT 210	The Graphic Novel	ENGL 2T**	3
LIT 928	Independent Study	ENGL 2T**	1-3
LIT 949	Special Topics	ENGL 2T**	1-3

MATHEMATICS

MAT 041-054	By Title		No Credit
MAT 062	Elementary Algebra	MATH 25	No Credit
MAT 063	Elementary Algebra	MATH 25	No Credit
MAT 080-083	By Title		No Credit
MAT 101	Intermediate Algebra	MATH 100Z	3
MAT 102	Intermediate Algebra	MATH 100Z	4

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

MAT 104	Applied Math Topics	MATH 1T**	3
MAT 105	Integrated Algebra	MATH 1T**	1
MAT 110	Math for Liberal Arts	MATH 105	3
MAT 111	Math for Liberal Arts	MATH 1T**	4
MAT 117	Math for Elementary Teachers	MATH 195	3
MAT 120	College Algebra	MATH 140	3
MAT 121	College Algebra	MATH 140	4

MATHEMATICS, continued

MAT 127	College Algebra and Trigonometry	MATH 143	5
MAT 128	Precalculus	MATH 143	4
MAT 134	Trigonometry and Analytic Geometry	MATH 1T**	3
MAT 140	Finite Math	MATH 150	3
MAT 150	Discrete Math	MATH 1T**	3
MAT 156	Statistics	STAT 104	3
MAT 165	Business Calculus	MATH 151	3
MAT 201	Applied Calculus	MATH 160	5
MAT 210	Calculus I	MATH 165	4
MAT 211	Calculus I	MATH 165	5
MAT 216	Calculus II	MATH 166	4
MAT 219	Calculus III	MATH 265	4
MAT 225	Differential Equations	MATH 266	3
MAT 227	Differential Equations with Laplace	MATH 267	4
MAT 743	Technical Mathematics	CAREER/TECH	
MAT 772	Applied Math	MATH 2T**	3
MAT 928	Independent Study	MATH 2T**	1-3
MAT 949	Special Topics	MATH 2T**	1-3

MANUFACTURING

MFG 102-336	By Title	CAREER/TECH	
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MANAGEMENT

MGT 101	Principles of Management	MGMT 1T**	3
MGT 110	Small Business Management	MGMT 1T**	3
MGT 130	Principles of Supervision	MGMT 1T**	3
MGT 170	Human Resource Management	MGMT 1T**	3
MGT 928	Independent Study	MGMT 2T**	1-3
MGT 949	Special Topics	MGMT 2T**	1-3

MARKETING

MKT 110	Principles of Marketing	MKT 2T**	3
MKT 150	Principles of Advertising	ADVRT 1T**	3
MKT 928	Independent Study	MKT 2T**	1-3
MKT 949	Special Topics	MKT 2T**	1-3

MASS MEDIA STUDY

MMS 101	Mass Media	JL MC 101	3
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MEDICAL ASSISTANT

MAP 402	Medical Law and Ethics	CAREER/TECH	
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MUSIC - APPLIED

MUA 101	Applied Voice	MUSIC 1T**	1
MUA 102	Applied Voice II	MUSIC 1T**	1
MUA 113	Vocal Improvisation	MUSIC 1T**	1
MUA 115	Vocal Jazz Workshop	MUSIC 1T**	1-3
MUA 116	Applied Jazz Voice	MUSIC 1T**	1
MUA 117	Applied Jazz Voice II	MUSIC 1T**	1
MUA 120	Applied Piano I	MUSIC 1T**	1
MUA 124	Applied Guitar	MUSIC 1T**	1
MUA 126	Applied Strings	MUSIC 1T**	1

MUSIC - APPLIED, continued

MUA 128	Applied String Bass	MUSIC 1T**	1
MUA 134	Applied Songwriting	MUSIC 1T**	1
MUA 136-137	Jazz Keyboard I, II	MUSIC 1T**	2 each
MUA 138	Applied Jazz Piano	MUSIC 1T**	1
MUA 139	Solo Jazz Performance and Literature I	MUSIC 1T**	1
MUA 143	Applied Brass	MUSIC 1T**	1
MUA 144	Applied Brass II	MUSIC 1T**	1
MUA 148	Applied Songwriting II	MUSIC 1T**	1
MUA 170	Applied Woodwinds	MUSIC 1T**	1
MUA 171	Applied Woodwinds II	MUSIC 1T**	1
MUA 180	Applied Percussion	MUSIC 1T**	1
MUA 208	Applied Strings II	MUSIC 2T**	1
MUA 218	Applied Piano Tuning	MUSIC 2T**	1
MUA 220	Applied Piano II	MUSIC 2T**	1
MUA 226	Applied Piano Tuning II	MUSIC 2T**	1
MUA 228	Applied String Bass II	MUSIC 2T**	1
MUA 236-237	Jazz Keyboard III, IV	MUSIC 2T**	2 each
MUA 238	Applied Jazz Piano II	MUSIC 2T**	1
MUA 239	Solo Jazz Performance and Literature II	MUSIC 2T**	1
MUA 298	Applied Guitar II	MUSIC 2T**	1
MUA 494	Applied Music Production and Engineering	MUSIC 2T**	1
MUA 495	Applied Music Production and Engineering II	MUSIC 2T**	1
MUA 496	Applied Music Composition	MUSIC 2T**	1
MUA 497	Applied Music Composition II	MUSIC 2T**	1
MUA 928	Independent Study	MUSIC 2T**	1-3
MUA 949	Special Topics	MUSIC 2T**	1-3

MUSIC - GENERAL

MUS 100	Music Appreciation	MUSIC 102	3
MUS 102	Music Fundamentals I	MUSIC 101	3
MUS 103	Music Fundamentals II	MUSIC 1T**	3
MUS 120	Music Theory I	MUSIC 1T**	3
MUS 121	Music Theory II	MUSIC 224*	3
MUS 130-131	Aural Skills I, II	MUSIC 1T**	2 each
MUS 140-141	Concert Choir I, II	MUSIC 1T**	1 each
MUS 145	Concert Band	MUSIC 1T**	1
MUS 157	Vocal Jazz Ensemble	MUSIC 1T**	1
MUS 163	Instrumental Jazz Ensemble	MUSIC 1T**	1
MUS 170	Jazz Band	MUSIC 1T**	1
MUS 180-181	Arranging I, II	MUSIC 1T**	2 each
MUS 182	Instrumental Jazz Ensemble II	MUSIC 1T**	1
MUS 190	Jazz Improvisation	MUSIC 1T**	1
MUS 192	Improvisation II	MUSIC 1T**	1
MUS 194	Fundamentals of Recital	MUSIC 1T**	1
MUS 195	Freshman Recital	MUSIC 1T**	1
MUS 196	Fundamentals Final Project	MUSIC 1T**	1
MUS 197	Final Project I	MUSIC 1T**	1
MUS 198	Psychology of Success	PSYCH 131	1
MUS 200-201	Music History I, II	MUSIC 2T**	3 each
MUS 204	History of Rock and Roll	MUSIC 2T**	3
MUS 205	Jazz History and Appreciation	MUSIC 2T**	3
MUS 220-221	Music Theory III, IV	MUSIC 2T**	3 each

MUSIC - GENERAL, continued

MUS 227	Vocal Jazz Ensemble II	MUSIC 2T**	1
MUS 230	Fundamental Skill Development	MUSIC 2T**	2
MUS 260	Introduction to Studio Engineering & Production	MUSIC 2T**	2
MUS 262	Recording Studio Performance	MUSIC 2T**	2
MUS 280-281	Arranging III, IV	MUSIC 2T**	2 each
MUS 290	Fundamentals of Conducting	MUSIC 2T**	2
MUS 295	Sophomore Recital	MUSIC 2T**	1
MUS 296	Final Project II	MUSIC 2T**	1
MUS 297	Music Business	MUSIC 2T**	1
MUS 303	Introduction to Studio Engineering Technology	MUSIC 1T**	2
MUS 304	Advanced Studio Engineering Technology	MUSIC 2T**	2
MUS 308	Live Sound Engineering	MUSIC 2T**	1
MUS 324	Fundamental Skills Development II	MUSIC 2T**	2
MUS 928	Independent Study	MUSIC 2T**	1-3
MUS 949	Special Topics	MUSIC 2T**	1-3

COMPUTER NETWORKING

NET 121-731	By Title	CAREER/TECH	
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PHYSICAL EDUCATION ACTIVITIES

PEA 112	Basketball	KIN 1T**	1
PEA 121	Circuit Wellness	KIN 1T**	1
PEA 131	Disc Golf	KIN 1T**	1
PEA 176	Volleyball I	KIN 182	1
PEA 187	Weight Training I	KIN 1T**	1
PEA 192	Walking I	KIN 1T**	1
PEA 928	Independent Study	KIN 2T**	1-3
PEA 949	Special Topics	KIN 2T**	1-3

COACHING/OFFICIATING

PEC 101	Introduction to Coaching	KIN 1T**	3
PEC 108	Sports and Society	KIN 1T**	3
PEC 110	Coaching Ethics, Techniques, and Theory	KIN 1T**	1
PEC 115	Athletic Development and Human Growth	KIN 1T**	1
PEC 120	Body Structure and Function	KIN 1T**	1
PEC 126	Athletic Injury Prevention	A TR 1T**	2
PEC 128	Care and Prevention of Athletic Injuries	A TR 220	3
PEC 161	Sports Officiating	KIN 1T**	3
PEC 928	Independent Study	KIN 2T**	1-3
PEC 949	Special Topics	KIN 2T**	1-3

GENERAL PHYSICAL EDUCATION AND HEALTH

PEH 102	Health	KIN 1T**	3
PEH 109	Personal Wellness	KIN 1T**	1
PEH 110	Personal Wellness	KIN 1T**	2
PEH 111	Personal Wellness	KIN 1T**	3
PEH 141	First Aid	H S 105	2
PEH 142	First Aid	H S 105	3
PEH 162	Introduction to Physical Education	KIN 1T**	3
PEH 255	Principles of Sports Management	KIN 2T**	3
PEH 928	Independent Study	KIN 2T**	1-3
PEH 949	Special Topics	KIN 2T**	1-3

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 133	Varsity Track	ATH 101	1
PEV 140	Varsity Golf	ATH 1T**	1
PEV 160	Varsity Softball	ATH 101K	1
PEV 170	Varsity Volleyball	ATH 101R	1

PHILOSOPHY

PHI 101	Introduction to Philosophy	PHIL 201	3
PHI 105	Introduction to Ethics	PHIL 230	3
PHI 928	Independent Study	PHIL 2T**	1-3
PHI 949	Special Topics	PHIL 2T**	1-3

PHYSICAL SCIENCE

PHS 113	Introduction to Physical Science	SCI 1T**	4
PHS 120	Exploring Physical Science	SCI 1T**	4
PHS 125	Physical Science (with lab)	SCI 1T**	4
PHS 142	Principles of Astronomy	ASTRO 120	3
PHS 166	Meteorology, Weather and Climate	MTEOR 206	4
PHS 172	Physical Geology	GEOL 100	3
		GEOL 100L	1
PHS 185	Introduction to Earth Science	SCI 1T**	3
PHS 928	Independent Study	SCI 2T**	1-3
PHS 949	Special Topics	SCI 2T**	1-3

PHYSICS

PHY 110	Survey of Physics I	PHYS 1T**	3
PHY 162	College Physics I (with lab)	PHYS 131	3
		PHYS 131L	1
PHY 172	College Physics II (with lab)	PHYS 132	3
		PHYS 132L	1
PHY 212	Classical Physics I (with lab)	PHYS 231	4
		PHYS 231L	1
PHY 222	Classical Physics II (with lab)	PHYS 232	4
		PHYS 232L	1
PHY 928	Independent Study	PHYS 2T**	1-3
PHY 949	Special Topics	PHYS 2T**	1-3

PRACTICAL NURSING

PNN 140-531	By Title	CAREER/TECH	
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POLITICAL SCIENCE

POL 110	Introduction to Political Science	POL S 1T**	3
POL 111	American National Government	POL S 111	3
POL 112	American State and Local Government	POL S 1T**	3
POL 129	Politics of Terrorism	POL S 1T**	3
POL 928	Independent Study	POL S 2T**	1-3
POL 949	Special Topics	POL S 2T**	1-3

PSYCHOLOGY

PSY 111	Introduction to Psychology	PSYCH 101	3
PSY 121	Developmental Psychology	PSYCH 230	3
PSY 171	Health Psychology	PSYCH 1T**	3
PSY 222	Child Psychology	PSYCH 2T**	3
PSY 223	Child and Adolescent Psychology	PSYCH 2T**	3
PSY 224	Adolescent Psychology	PSYCH 2T**	3
PSY 226	Psychology of Aging	PSYCH 2T**	3
PSY 228	Death and Dying	PSYCH 2T**	3
PSY 236	Psychology of Personality	PSYCH 2T**	3
PSY 241	Abnormal Psychology	PSYCH 2T**	3
PSY 246	Introduction to Counseling Skills	PSYCH 2T**	3
PSY 251	Social Psychology	PSYCH 280	3
PSY 261	Human Sexuality	HD FS 276	3
PSY 262	Psychology of Gender	PSYCH 2T**	3
PSY 281	Educational Psychology	PSYCH 333	3
PSY 928	Independent Study	PSYCH 2T**	1-3
PSY 949	Special Topics	PSYCH 2T**	1-3

READING

RDG 005-008	By Title		No Credit
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RELIGION

REL 101	Survey of World Religions	RELIG 205	3
REL 928	Independent Study	RELIG 2T**	1-3
REL 949	Special Topics	RELIG 2T**	1-3

STUDENT DEVELOPMENT

SDV 103	Successful Learning	PSYCH 1T**	1
SDV 108	The College Experience	ORIEN 1T**	1
SDV 114	Strategies for Academic Success	PSYCH 131	3
SDV 153	Pre-Employment Strategies	U ST 1T**	2
SDV 155	Strategies for College Reading	ENGL 1T**	1
SDV 188	Understanding Chemical Dependency	XXX 1T**	2
SDV 928	Independent Study	XXX 2T**	1-3
SDV 949	Special Topics	XXX 2T**	1-3

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 160	Introduction to Social Work	SOC 1T**	3
SOC 200	Minority Group Relations	SOC 2T**	3
SOC 250	Sociology of Deviance	SOC 2T**	3
SOC 928	Independent Study	SOC 2T**	1-3
SOC 949	Special Topics	SOC 2T**	1-3

SPEECH

SPC 101	Fundamentals of Oral Communication	SP CM 212	3
SPC 112	Public Speaking	SP CM 212	3
SPC 122	Interpersonal Communication	COMST 102	3
SPC 928	Independent Study	SP CM 2T**	1-3
SPC 949	Special Topics	SP CM 2T**	1-3

WELDING

WEL 111-932 By Title

CAREER/TECH

WORK-BASED LEARNING

WBL 110-308 By Title

CAREER/TECH