

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 2021-2022 General Catalog and the
2021-2022 Iowa State University Bulletin***

How to Read the Course Equivalency Guide

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

- If there is a course 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.

| 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 202 | Accounting Cycle | ACCT 2T** | 1 |
| ACC 222 | Cost Accounting | ACCT 2T** | 4 |
| ACC 252 | Gov't & Nonprofit Accounting | ACCT 2T** | 4 |
| ACC 265 | Income Tax Accounting | ACCT 2T** | 4 |
| ACC 268-946 | By Title | CAREER/TECH | |

ADMINISTRATIVE ASSISTANT

| | | | |
|-------------|----------|-------------|--|
| ADM 105-947 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

ASSOCIATE DEGREE NURSING

| | | | |
|-------------|----------|-------------|--|
| ADN 110-821 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

AGRICULTURE - AGRONOMY

| | | | |
|---------|-------------------------------------|------------|---|
| AGA 114 | Principles of Agronomy | AGRON 181 | 3 |
| AGA 129 | Intro 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 | Intro 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 103-104 | Floral Design I, II | CAREER/TECH | |
| AGH 106 | Introduction to Horticulture | HORT 221 | 3 |
| AGH 112 | Intro to Turfgrass Management | HORT 1T** | 3 |
| 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 | Greenhouse Production I | HORT 2T** | 3 |
| AGH 139 | Field to Kitchen | CAREER/TECH | |
| AGH 142 | Landscape Construction | HORT 1T** | 3 |

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

AGRICULTURE - HORTICULTURE, continued

| | | | |
|-------------|-------------------------------------|-------------|---|
| 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 |
| 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 & Bidding | HORT 2T** | 2 |
| AGH 211 | Advanced Turfgrass Management | HORT 2T** | 3 |
| AGH 221 | Principles of Horticulture | HORT 221 | 3 |
| AGH 223-225 | By Title | CAREER/TECH | |
| 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 296 | Commercial Landscape Industry | HORT 2T** | 2 |
| 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 | |
|---------|-----------------------------------|-------------|--|

AGRICULTURE - PRECISION AG

| | | | |
|---------|------------------------------------|----------|---|
| AGP 333 | Precision Agriculture Applications | TSM 2T** | 3 |
|---------|------------------------------------|----------|---|

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 |
|---------|---|----------|---|

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 138 | Clinical Pathology Lab | CAREER/TECH | |
| AGV 140 | Veterinary Pharmacology | AN S 1T** | 3 |

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

AGRICULTURE - VET TECH, continued

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|-------------|--------------------------------|-------------|---|
| 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 | |
|-------------|----------|-------------|--|

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

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|-------------|-------------------------------|-------------|---|
| *APP 212 | Textile Science Lab | A M D 1T** | 1 |
| APP 235 | Visual Merchandising Studio | A M D 2T** | 3 |
| APP 255 | Intro 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 2T** | 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 & PR | A M D 2T** | 3 |
| APP 600-702 | By Title | CAREER/TECH | |

ARCHITECTURAL

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|-------------|----------|-------------|--|
| ARC 110-932 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

ART

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|---------|-------------------------------|-----------|---|
| 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 |

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

ART, continued

| | | | |
|-------------|--------------------------------|-------------|-----|
| ART 186 | Principles Digital Photography | ART 2T** | 3 |
| ART 189 | Commercial Photography 1 | 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 227-287 | 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 | |
|-------------|----------|-------------|--|

AUTO TECH-CAP (CHRYSLER)

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

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|-------------|----------|-------------|--|
| ATF 280-362 | By Title | CAREER/TECH | |
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AUTO TECH-ASEP (GM)

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| ATG 312-354 | By Title | CAREER/TECH | |
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AUTOMOTIVE TECHNOLOGY

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|-------------|----------|-------------|--|
| AUT 111-934 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

AVIATION

| | | | |
|-------------|----------|-------------|--|
| AVI 130-213 | By Title | CAREER/TECH | |
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AVIATION MAINTENANCE

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

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|-------------|----------|-------------|--|
| BCA 122-242 | 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 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).*

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| BIO 135 | Introduction to Botany | BIOL 1T** | 4 |
| BIO 138 | Field Ecology | BIOL 1T** | 3 |

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| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |

BIOLOGY, continued

| | | | |
|----------|-------------------------------|-----------|---|
| BIO 145 | Ecology of Iowa | BIOL 2T** | 3 |
| BIO 146 | Genetics | BIOL 2T** | 3 |
| BIO 151 | Nutrition | FS HN 167 | 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 | MICRO 201 | 3 |
| | Microbiology Lab | MICRO 201L | 1 |
| BIO 191 | Intro to Biotechnology w/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 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 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

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|-------------|----------|-------------|--|
| BPT 102-128 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

BUSINESS

| | | | |
|----------|--------------------------|-----------|---|
| *BUS 102 | Introduction to Business | BUSAD 250 | 3 |
|----------|--------------------------|-----------|---|

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

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|-------------|---|-------------|---|
| 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 | Intro to CAD/CAM | TSM 1T** | 3 |

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

COMPUTER AIDED DRAFTING, continued

| | | | |
|-------------|---------------------------|-------------|---|
| 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 | |
|-------------|----------|-------------|--|

CHEMISTRY

| | | | |
|---------|---------------------------------------|-----------|-----|
| CHM 105 | Survey of Chemistry | CHEM 160 | 3 |
| CHM 122 | Introduction to General Chemistry | CHEM 163 | 3 |
| | Introduction to General Chemistry Lab | CHEM 163L | 1 |
| CHM 132 | Introduction to Organic/Biochemistry | CHEM 1T** | 4 |
| CHM 165 | General Chemistry I | CHEM 177 | 3 |
| | General 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 |
| CHM 922 | Field Studies | CHEM 2T** | 1-4 |

COMPUTER PROGRAMMING

| | | | |
|-------------|-----------------------------------|-------------|---|
| CIS 125 | Intro to Programming Logic w/Lang | COM S 2T** | 3 |
| CIS 152 | Data Structures | COM S 2T** | 3 |
| CIS 154 | Computational Structures | COM S 2T** | 3 |
| CIS 161-338 | 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 | |
|-------------|----------|-------------|--|

CRIMINAL JUSTICE

| | | | |
|---------|-------------------------------------|----------|---|
| CRJ 100 | Intro to Criminal Justice | C J 240 | 3 |
| CRJ 101 | Ethic in Criminal Justice | C J 1T** | 3 |
| CRJ 120 | Introduction to Corrections | 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 128 | Victimology | C J 1T** | 3 |
| CRJ 141 | Criminal Investigation | C J 1T** | 3 |
| CRJ 178 | E-Crime Investigative Methods | C J 1T** | 3 |

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| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |

CRIMINAL JUSTICE, continued

| | | | |
|-------------|---|-------------|---|
| CRJ 179 | White-Collar Crime | C J 1T** | 1 |
| CRJ 196-197 | Crime Scene Investigation I, II | 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 |
| CRJ 237 | Criminal & Constitutional Law | C J 2T** | 3 |
| CRJ 245 | Scientific Investigation | C J 2T** | 3 |
| CRJ 292 | Police Physical Fitness & Condition | KIN 2T** | 1 |
| CRJ 293 | Criminal Justice Report Writing | C J 2T** | 1 |
| CRJ 294 | CJ Communication Strategies | C J 2T** | 3 |
| CRJ 296-298 | By Title | CAREER/TECH | |
| CRJ 301 | Introduction to Homeland Security | C J 2T** | 3 |
| CRJ 302 | Transportation & Border Security | C J 2T** | 3 |
| CRJ 303 | Intelligence Analysis & Security Management | C J 2T** | 3 |
| CRJ 305 | Introduction to Cyber Terrorism | C J 2T** | 3 |
| CRJ 325-329 | By Title | CAREER/TECH | |
| CRJ 333 | CSI & 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 | |
|-------------|----------|-------------|--|

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 | |
|-------------|----------|-------------|--|

DENTAL ASSISTANT

| | | | |
|-------------|----------|-------------|--|
| DEA 253-702 | By Title | CAREER/TECH | |
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DENTAL HYGIENE

| | | | |
|-------------|----------|-------------|--|
| DHY 114-302 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

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 | Improvisational 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 & Movement | THTRE 151 | 3 |

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| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |

FILM AND THEATRE, continued

| | | | |
|---------|-----------------------------|------------|---|
| DRA 162 | Technical Theatre | THTRE 255 | 3 |
| DRA 180 | Theatre Lab I | THTRE 1T** | 1 |
| DRA 181 | Theatre Lab II | THTRE 1T** | 1 |
| 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 |
| DRA 223 | Performing Musical Theatre | THTRE 2T** | 3 |
| DRA 224 | Musical Theatre Auditions | THTRE 2T** | 3 |
| DRA 240 | Stage Management | THTRE 2T** | 3 |
| DRA 250 | Directing | THTRE 2T** | 3 |
| DRA 252 | Playwriting | THTRE 2T** | 3 |
| DRA 280 | Theatre Lab III | THTRE 2T** | 1 |
| DRA 281 | Theatre Lab IV | THTRE 2T** | 1 |
| DRA 945 | Practicum I | THTRE 1T** | 2 |
| DRA 946 | Practicum II | THTRE 1T** | 3 |
| DRA 948 | Practicum III | THTRE 1T** | 4 |

DIESEL

| | | | |
|-------------|----------|-------------|--|
| DSL 145-855 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

DIETARY MANAGER

| | | | |
|-------------|----------|-------------|--|
| DTM 350-366 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

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 & 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 & Development | HD FS 1T** | 3 |
| ECE 215 | Home, School & 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 Admin | HD FS 2T** | 3 |
| ECE 343 | Early Childhood Guidance Lab | HD FS 2T** | 1 |
| ECE 359 | ECE Curriculum II Lab | HD FS 2T** | 1 |
| ECE 930 | Administrative Practicum | HD FS 2T** | 1 |
| ECE 932 | Early Childhood Internship | HD FS 2T** | 2 |

ECONOMICS

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

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

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 & Collaborative Partnerships | EDUC 2T** | 3 |
| EDU 253 | Behavior Mgmt & 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 | Engineering MATLAB | ENGR 1T** | 2 |
| •+*EGR 161 | Engineering Computations | ENGR 1T** | 2 |

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

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

| | | | |
|----------|--------------------------|-----------|---|
| *EGR 155 | Engineering C/C++ | ENGR 1T** | 2 |
| *EGR 161 | Engineering Computations | ENGR 1T** | 2 |

*When EGR 155 and EGR 161 are both taken, the courses will transfer as ENGR 160.

| | | | |
|-------------|--|-------------|---|
| EGR 166 | Engineering Graphics/Conceptual Design | ENGR 170 | 4 |
| EGR 180 | Statics | C E 274 | 3 |
| EGR 290 | Thermodynamics | M E 2T** | 3 |
| EGT 400 | PLTW Intro 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 |

ELECTRONICS

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

EMERGENCY MEDICAL TECHNICIAN - BASIC

| | | | |
|-------------|----------|-------------|--|
| EMS 105-503 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

ENGLISH

| | | | |
|-------------|----------------------------|-----------|-----------|
| 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 145 | Strategies for Composition | ENGL 1T** | 2 |

| DES MOINES AREA COMMUNITY COLLEGE | | IOWA STATE | |
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| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |
| <u>ENGLISH, continued</u> | | | |
| 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 |
| <u>ENVIRONMENTAL SCIENCE</u> | | | |
| 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 |
| <u>NON-INTENSIVE ESL</u> | | | |
| 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 |
| *ESL 107 | Advanced Academic ESL Reading | ENGL 101 | 3 |
| <i>*Transfer credit in ENGL 101 does not count toward graduation.</i> | | | |
| <u>FINANCE</u> | | | |
| 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 |
| <u>FIRE SCIENCE</u> | | | |
| FIR 111-400 | By Title | CAREER/TECH | |
| <u>FOREIGN LANGUAGE-ARABIC</u> | | | |
| 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 |
| <u>FOREIGN LANGUAGE-CHINESE</u> | | | |
| 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 |
| <u>FOREIGN LANGUAGE-FRENCH</u> | | | |
| 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 |
| <u>FOREIGN LANGUAGE-GERMAN</u> | | | |
| 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 |

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

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 |
| 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 | Reg Geog of the NonWest World | S SCI 1T** | 3 |
| GEO 125 | Regional Geog of the Dev 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 | Intro to International Studies | INTST 235 | 3 |

GRAPHIC DESIGN

| | | | |
|-------------|----------|-------------|--|
| GRD 301-900 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

GRAPHIC TECHNOLOGIES

| | | | |
|-------------|----------|-------------|--|
| GRT 400-932 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

HOSPITALITY, CULINARY ARTS AND MANAGEMENT

| | | | |
|-------------|-----------------------------|-------------|--------|
| HCM 100 | Sanitation & Safety | HSP M 233 | 2 |
| HCM 110-130 | 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 210 | Dining Management | HSP M 2T** | 2 |

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

| | | | |
|-------------|-----------------------------|-------------|---|
| 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.*

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

HOSPITALITY, CULINARY ARTS AND MANAGEMENT, continued

| | | | |
|--------------|--------------------------------------|-------------|---|
| HCM 175-240 | 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 550 | International Pastries | CAREER/TECH | |
| HCM 600 | Intro 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 | |
|-------------|----------|-------------|--|

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 211 | Modern Asian 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 274 | Women's History: United States | HIST 2T** | 3 |
| HIS 280 | Family History Research | HIST 2T** | 3 |

HEALTH INFORMATION TECHNOLOGY

| | | | |
|-------------|----------|-------------|--|
| HIT 120-524 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

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 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 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 |

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|-----------------------------------|--------------|------------|---------|
| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |

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 124-904 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

INFORMATICS

| | | | |
|---------|-------------------------|-------------|--|
| INF 110 | Fundamental Informatics | CAREER/TECH | |
|---------|-------------------------|-------------|--|

INTERIOR DESIGN

| | | | |
|-------------|----------|-------------|--|
| INT 124-125 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

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 | Intepretation/Translation Ethics II | HUM 1T** | 3 |
| ITR 271 | Healthcare Terminology & 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 & Sight Translation | WLC 2T** | 3 |
| ITR 293 | Judiciary Interpretation I | WLC 2T** | 3 |
| ITR 294 | Judiciary Interpetation 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 | Intro 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 | Intro to Journalism | JL MC 1T** | 3 |
| JOU 121 | Newsriting and Reporting | JL MC 2T** | 3 |
| JOU 122 | Intro 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 | News Practicum I | JL MC 1T** | 2 |
| JOU 143 | News Practicum II | JL MC 1T** | 2 |
| JOU 163 | News Media and Politics | JL MC 2T** | 3 |
| JOU 165 | Principles of Advertising | ADVRT 2T** | 3 |
| JOU 167 | Principles of PR | P R 220 | 3 |
| JOU 242 | News Practicum III | JL MC 2T** | 2 |
| JOU 243 | News Practicum IV | JL MC 2T** | 2 |

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|-----------------------------------|--------------|------------|---------|
| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |

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 150 | World Literature I | ENGL 2T** | 3 |
| LIT 151 | World Literature II | 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 |
| LIT 209 | Literature Film Adaptation | ENGL 2T** | 3 |
| LIT 210 | The Graphic Novel | ENGL 2T** | 3 |

MEDICAL ASSISTANT

| | | | |
|-------------|----------|-------------|--|
| MAP 106-650 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

MATHEMATICS

| | | | |
|-------------|-----------------------|-----------|-----------|
| MAT 034-053 | By Title | | No Credit |
| MAT 063 | Elementary Algebra | MATH 25 | No Credit |
| MAT 064 | College Prep Math | | 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 143 | 5 |
| MAT 130 | Trigonometry | MATH 1T** | 3 |
| MAT 141 | Finite Mathematics | MATH 104 | 4 |
| MAT 148 | Linear Algebra w/Applications | MATH 207 | 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 164 | Calculus for Business/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 772-900 | By Title | CAREER/TECH | |

MANUFACTURING

| | | | |
|-------------|----------|-------------|--|
| MFG 105-932 | By Title | CAREER/TECH | |
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|---|---------------------------------------|-------------|---------|
| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |
| <u>MANAGEMENT</u> | | | |
| 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 | Intro to Business Logistics | SCM 2T** | 3 |
| MGT 266 | Principles of Supply Chain Management | SCM 2T** | 3 |
| MGT 800-802 | By Title | CAREER/TECH | |
| <u>MARKETING</u> | | | |
| 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 | MKT 2T** | 3 |
| MKT 182-184 | By Title | CAREER/TECH | |
| <u>MEDICAL LABORATORY TECHNOLOGY</u> | | | |
| MLT 115-292 | By Title | CAREER/TECH | |
| <u>ARCHITECTURAL MILLWORK</u> | | | |
| MLW 440-449 | By Title | CAREER/TECH | |
| <u>MASS MEDIA STUDIES</u> | | | |
| MMS 208-486 | By Title | CAREER/TECH | |
| <u>MORTUARY SCIENCE</u> | | | |
| MOR 215-941 | By Title | CAREER/TECH | |
| <u>APPLIED MUSIC</u> | | | |
| MUA 101 | Applied Voice | MUSIC 1T** | 1 |
| MUA 120 | Applied Piano | MUSIC 1T** | 1 |
| MUA 147 | Applied Instrumental | MUSIC 1T** | 1 |
| <u>GENERAL MUSIC</u> | | | |
| MUS 100 | Music Appreciation | MUSIC 102 | 3 |
| MUS 102 | Music Fundamentals | MUSIC 1T** | 3 |
| MUS 106, 107 | Music Theory I, II | MUSIC 1T** | 4 each |
| 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 |

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|-----------------------------------|--------------|------------|---------|
| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |

COMPUTER NETWORKING

| | | | |
|-------------|----------|-------------|--|
| NET 120-932 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

OPTOMETRIC/OPHTHALMIC TECHNICIAN

| | | | |
|-------------|----------|-------------|--|
| OPT 110-818 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

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 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 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 & Theory | KIN 1T** | 1 |
| PEC 115 | Athletic Development and Human Growth | KIN 1T** | 1 |
| PEC 122 | Intro 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 |
| PEH 102 | Health | H S 110 | 3 |
| PEH 110 | Personal Wellness | KIN 1T** | 2 |
| PEH 120 | Principles Personal Training I | KIN 1T** | 3 |
| PEH 125 | Principles Personal Training II | 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 |
| PEH 262 | Wellness Prog/Planning/Organization | KIN 2T** | 3 |

GENERAL PHYSICAL EDUCATION AND HEALTH

| | | | |
|---------|---------------------------------|----------|---|
| 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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| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |

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 |

PLEBOTOMY

| | | | |
|--------------|----------|-------------|--|
| 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 110 | Introduction to Logic | PHIL 206 | 3 |

PHARMACY TECHNICIAN

| | | | |
|-------------|----------|-------------|--|
| PHR 180-804 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

PHYSICAL SCIENCE

| | | | |
|---------|--------------------------------|------------|---|
| PHS 152 | Astronomy | ASTRO 1T** | 4 |
| PHS 166 | Meteorology, Weather & Climate | MTEOR 206 | 4 |

PHYSICS

| | | | |
|----------|----------------------|-------------|---|
| PHY 106 | Survey of Physics | PHYS 1T** | 4 |
| *PHY 160 | General Physics I | PHYS 131 | 4 |
| | | PHYS 231L | 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 | |

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PRACTICAL NURSING

| | | | |
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| PNN 151-606 | By Title | CAREER/TECH | |
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POLITICAL SCIENCE

| | | | |
|---------|-----------------------------------|------------|---|
| 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 129 | Politics of Terrorism | POL S 2T** | 3 |
| POL 163 | News Media and Politics | POL S 2T** | 3 |
| POL 171 | Intro 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 |

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| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |
| <u>PARALEGAL, continued</u> | | | |
| PRL 104 | Legal Technology and eDiscovery | CAREER/TECH | |
| PRL 105 | Legal Ethics | C J 1T** | 1 |
| PRL 112, 113 | Legal Research & 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 155-156 | By Title | 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 | |
| <u>PSYCHOLOGY</u> | | | |
| 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 |
| <u>RESPIRATORY THERAPY</u> | | | |
| RCP 100-805 | By Title | CAREER/TECH | |
| <u>READING</u> | | | |
| RDG 038-049 | College Prep Reading I, II | | No Credit |
| RDG 163 | Speed Reading | ENGL 1T** | 3 |
| <u>REAL TIME REPORTING</u> | | | |
| CRC 100-275 | By Title | CAREER/TECH | |
| <u>RELIGION</u> | | | |
| 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 |
| <u>RAILROAD OPERATIONS</u> | | | |
| RRO 101 | Railcar Safety | CAREER/TECH | |
| <u>STUDENT DEVELOPMENT</u> | | | |
| SDV 108 | The College Experience | ORIEN 1T** | 1 |
| SDV 115 | Study Strategies | PSYCH 131 | 2 |
| 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 |

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| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |

STUDENT DEVELOPMENT, continued

| | | | |
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| SDV 212-227 | By Title | CAREER/TECH | |
| SDV 288 | Leadership Development Studies | XXX 2T** | 3 |

SOCIOLOGY

| | | | |
|---------|---------------------------------|----------|---|
| 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 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 & 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

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| 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 | |
|-------------|----------|-------------|--|

WORK-BASED LEARNING

| | | | |
|-------------|----------|-------------|--|
| WBL 100-150 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

WEB DEVELOPER

| | | | |
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| 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

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| WTT 103-247 | By Title | CAREER/TECH | |
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