

Course Equivalency Guide

between

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

and

Iowa Western Community College
www.iwcc.edu

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***Based on the Iowa Western Community College 2020-2021 General Catalog and the
2020-2021 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 that is directly equivalent to the community college course, the Iowa State department and course number is listed.
- If there is not a course that is 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 a 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 that the course will transfer to Iowa State, but will not be used toward graduation from Iowa State University.
- CAREER/TECH means that 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.
- "NC" in the credit column indicates that the course does not transfer to Iowa State University. In most cases the course is developmental in nature.

| IOWA WESTERN COMMUNITY COLLEGE | | IOWA STATE | |
|--------------------------------|--------------|------------|---------|
| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |

ACCOUNTING

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

AGRIBUSINESS TECHNOLOGY

| | | | |
|--------------|--|-------------|---|
| AGA 165 | Agricultural Fertilizers and Chemicals | AGRON 1T** | 3 |
| AGA 181 | Introduction to Crop Science | AGRON 181 | 3 |
| AGA 182 | Introduction to Soil Science | AGRON 182 | 3 |
| AGA 280 | Crop Development, Production, & Management | AGRON 280 | 3 |
| AGA 284 | Pesticide Application Certification | ENT 283 | 3 |
| AGA 376 | Integrated Pest Management | AGRON 1T** | 3 |
| AGB 211 | Agricultural Law, Taxation and Records | CAREER/TECH | |
| AGB 235 | Introduction to Agriculture Markets | ECON 235 | 3 |
| AGB 330 | Farm Business Management | ECON 230 | 3 |
| AGB 331 | Entrepreneurship in Agriculture | ECON 2T** | 3 |
| AGB 336 | Agricultural Selling | ECON 236 | 3 |
| AGB 437 | Commodity Marketing | ECON 2T** | 3 |
| AGB 804, 814 | Agricultural Internship I, II | CAREER/TECH | |
| AGC 215 | Career Seminar | CAREER/TECH | |
| AGP 333 | Precision Farming Systems | TSM 2T** | 3 |
| AGP 456 | Advanced Technology Applications | TSM 2T** | 3 |
| AGP 457 | Agronomic Applic of Site Specific Mgmt | TSM 2T** | 3 |
| AGS 113 | Survey of the Animal Industry | AN S 114 | 3 |
| AGS 226 | Beef Cattle Science | AN S 226 | 3 |

ANTHROPOLOGY

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

ART

| | | | |
|--------------|------------------------|-----------|--------|
| ART 101 | Art Appreciation | ART 1T** | 3 |
| ART 120 | 2-D Design | ART 1T** | 3 |
| ART 123 | 3-D Design | ART 1T** | 3 |
| ART 125-126 | Digital Media I, II | ART 1T** | 3 each |
| ART 131, 134 | Drawing I, II | ART 1T** | 3 each |
| ART 143 | Painting I | ART 1T** | 3 |
| ART 151 | Design I | ART 1T** | 3 |
| ART 184 | Photography I | ART 1T** | 3 |
| ART 193, 196 | Studio Practices II, I | ART 1T** | 3 each |
| ART 203 | Art History I | ART H 280 | 3 |
| ART 204 | Art History II | ART H 281 | 3 |

AUTOMOTIVE

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

| IOWA WESTERN COMMUNITY COLLEGE | | IOWA STATE | |
|--------------------------------|--------------|------------|---------|
| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |

AVIATION

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

BIOLOGICAL SCIENCES

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

**When BIO 112 and BIO 113 are both taken, the courses will transfer as BIOL 211 (3), BIOL 211L (1), BIOL 212 (3), and BIOL 212L (1).*

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

**When BIO 168 and BIO 173 are both taken, the courses will transfer as BIOL 255 (3), BIOL 255L (1), BIOL 256 (3), and BIOL 256L (1).*

| | | | |
|-------------|-----------------------|-------------|-----|
| BIO 186 | Microbiology | MICRO 201 | 3 |
| | Microbiology Lab | MICRO 201L | 1 |
| BIO 209-211 | By Title | CAREER/TECH | |
| BIO 272 | Biomass to Bioenergy | BIOL 2T** | 4 |
| BIO 908 | Cooperative Education | SCI 2T** | 1-6 |
| BIO 927 | Honors Study | BIOL 2T** | 2 |

BUSINESS ADMINISTRATION

| | | | |
|---------|--|-------------|-----|
| BUS 102 | Introduction to Business | BUSAD 1T** | 3 |
| BUS 105 | Accounting & Business Professional Dev | CAREER/TECH | |
| BUS 121 | Business Communications | ENGL 1T** | 3 |
| BUS 130 | Introduction to Entrepreneurship | MGMT 1T** | 3 |
| BUS 154 | E-business | MKT 1T** | 3 |
| BUS 161 | Human Relations | MGMT 2T** | 3 |
| BUS 185 | Business Law I | ACCT 215 | 3 |
| BUS 186 | Business Law II | ACCT 2T** | 3 |
| BUS 280 | Fundamentals of Lean Process Improvement | CAREER/TECH | |
| BUS 908 | Cooperative Education | BUSAD 2T** | 1-6 |
| FIN 121 | Personal Finance | HD FS 283 | 3 |

BUSINESS COMPUTER APPLICATIONS

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

CHEMISTRY

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

| IOWA WESTERN COMMUNITY COLLEGE | | IOWA STATE | |
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| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |
| <u>CHEMISTRY, continued</u> | | | |
| CHM 273 | Organic Chemistry II | CHEM 332 | 3 |
| | Organic Chemistry II Lab | CHEM 334L | 2 |
| <u>COMPUTER-AIDED DRAFTING</u> | | | |
| CAD 129-933 | By Title | CAREER/TECH | |
| <u>COMPUTER NETWORKING</u> | | | |
| NET 142-810 | By Title | CAREER/TECH | |
| <u>COMPUTER PROGRAMMING</u> | | | |
| CIS 127-158 | By Title | CAREER/TECH | |
| CIS 161 | C++ Programming | COM S 2T** | 3 |
| CIS 164 | Advanced C++ | COM S 2T** | 3 |
| CIS 171 | Java | COM S 1T** | 3 |
| CIS 175 | Java II | COM S 1T** | 3 |
| CIS 187-780 | By Title | CAREER/TECH | |
| <u>COMPUTER SCIENCE</u> | | | |
| CSC 110 | Introduction to Computers | COM S 103 | 3 |
| CSC 114 | Introduction to Information Technology | COM S 1T** | 3 |
| CSC 121 | Operating Systems | COM S 1T** | 3 |
| <u>CONSTRUCTION/CONSTRUCTION TECHNOLOGY</u> | | | |
| CET 139-240 | By Title | CAREER/TECH | |
| CON 114-426 | By Title | CAREER/TECH | |
| <u>CRIMINAL JUSTICE</u> | | | |
| CRJ 100 | Introduction to Criminal Justice | CJ ST 240 | 3 |
| CRJ 111 | Police and Society | CJ ST 1T** | 3 |
| CRJ 120 | Introduction to Corrections | CJ ST 1T** | 3 |
| CRJ 130 | Criminal Law | CJ ST 1T** | 3 |
| CRJ 133 | Constitutional Criminal Procedures | CJ ST 1T** | 3 |
| CRJ 142 | Criminalistics | CJ ST 1T** | 3 |
| CRJ 160 | Introduction to Forensic Investigation | CJ ST 1T** | 3 |
| CRJ 240 | Criminal Investigation | CJ ST 2T** | 3 |
| CRJ 258 | Ethical Issues in Criminal Justice | CJ ST 2T** | 3 |
| CRJ 260 | Medicolegal Death Investigation | CJ ST 2T** | 3 |
| CRJ 290 | Criminal Justice Cooperative Education | CJ ST 2T** | 3 |
| CRJ 291 | Forensic Investigation Cooperative Education | CJ ST 2T** | 3 |
| <u>CULINARY ARTS, RESTAURANT AND HOSPITALITY MANAGEMENT</u> | | | |
| HCM 100 | Sanitation and Safety | HSP M 1T** | 2 |
| HCM 111 | Principles of Baking I | HSP M 1T** | 2 |
| HCM 112-230 | By Title | CAREER/TECH | |
| HCM 240 | Menu Planning and Design | HSP M 2T** | 2 |
| HCM 197-273 | By Title | CAREER/TECH | |
| HCM 278 | Cost Control | HSP M 1T** | 2 |
| HCM 310 | Hospitality Law | CAREER/TECH | |
| HCM 330 | Hospitality Personnel Management | HSP M 1T** | 3 |
| HCM 343-598 | By Title | CAREER/TECH | |

| IOWA WESTERN COMMUNITY COLLEGE | | IOWA STATE | |
|--------------------------------|--------------|------------|---------|
| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |

DENTAL ASSISTANT

DEA 253-933 By Title CAREER/TECH

DENTAL HYGIENE

DHY 114-304 By Title CAREER/TECH

DIESEL TECHNOLOGY

DSL 144-896 By Title CAREER/TECH

EARLY CHILDHOOD EDUCATION

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

ECONOMICS

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

EDUCATION

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

ELECTRICAL TECHNOLOGY

ELE 155-326 By Title CAREER/TECH

ELECTRONIC ENGINEERING TECHNOLOGY

ELT 196-850 By Title CAREER/TECH

ENGINEERING/ENGINEERING TECHNOLOGY

| | | | |
|---------|---|-----------|---|
| EGR 100 | Engineering Orientation | ENGR 1T** | 1 |
| EGR 160 | Engineering I | ENGR 170 | 3 |
| EGR 165 | Engineering II | ENGR 160 | 3 |
| EGR 400 | PLTW-Introduction to Engineering Design | ENGR 170 | 3 |
| EGR 410 | PLTW-Principles of Engineering | ENGR 1T** | 3 |
| EGR 420 | PLTW-Digital Electronics | ENGR 1T** | 3 |
| EGR 430 | PLTW-Aerospace Engineering | ENGR 1T** | 3 |
| EGR 440 | PLTW-Biotechnical Engineering | ENGR 1T** | 3 |
| EGR 450 | PLTW-Computer Integrated Manufacturing | ENGR 1T** | 3 |
| EGR 460 | PLTW-Civil Engineering and Architecture | ENGR 1T** | 3 |

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| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |
| <u>ENGINEERING/ENGINEERING TECHNOLOGY, continued</u> | | | |
| EGR 470 | PLTW-Engineering Design and Development | ENGR 1T** | 3 |
| EGT 113-470 | By Title | CAREER/TECH | |
| <u>ENGLISH COMPOSITION/COMMUNICATION</u> | | | |
| ENG 084 | College Preparatory Writing | | No Credit |
| ENG 105 | Composition I | ENGL 150 | 3 |
| ENG 106 | Composition II | ENGL 250 | 3 |
| ENG 110 | Writing For The Workplace | CAREER/TECH | |
| <u>ENGLISH AS A SECOND LANGUAGE (ESL)</u> | | | |
| ESL 054-061 | By Title | | No Credit |
| <u>ENVIRONMENTAL SCIENCE</u> | | | |
| ENV 102 | Introduction to Sustainability | ENV S 1T** | 3 |
| ENV 111 | Environmental Science | BIOL 173 | 4 |
| <u>FIRE SCIENCE TECHNOLOGY</u> | | | |
| FIR 101-321 | By Title | CAREER/TECH | |
| <u>FOREIGN LANGUAGE</u> | | | |
| FLS 141 | Elementary Spanish I | SPAN 101 | 4 |
| FLS 142 | Elementary Spanish II | SPAN 102 | 4 |
| FLS 241 | Intermediate Spanish I | SPAN 201 | 4 |
| FLS 242 | Intermediate Spanish II | SPAN 202 | 4 |
| <u>GEOGRAPHY</u> | | | |
| GEO 121 | World Regional Geography | S SCI 1T** | 3 |
| <u>GRAPHIC COMMUNICATIONS</u> | | | |
| GRA 104-173 | By Title | CAREER/TECH | |
| <u>HEALTH SCIENCE</u> | | | |
| HSC 113-272 | By Title | CAREER/TECH | |
| <u>HISTORY</u> | | | |
| HIS 110 | Western Civilization Ancient to Early Modern | HIST 201 | 3 |
| HIS 111 | Western Civilization Early Modern to Present | HIST 202 | 3 |
| HIS 151 | U.S. History to 1877 | HIST 221 | 3 |
| HIS 152 | U.S. History Since 1877 | HIST 222 | 3 |
| HIS 251 | U.S. History 1945 to Present | HIST 2T** | 3 |
| HIS 253 | American Indian History and Culture | HIST 2T** | 3 |
| HIS 257 | African American History | HIST 2T** | 3 |
| HIS 281 | Local History | HIST 2T** | 3 |
| <u>HUMANITIES</u> | | | |
| HUM 122 | American Film | HUM 1T** | 3 |
| HUM 287 | Leadership Development Studies | LD ST 2T** | 3 |
| <u>HUMAN SERVICES</u> | | | |
| HSV 109 | Introduction to Human Services | SOC 1T** | 3 |
| HSV 115 | Agency and Community Resources | HD FS 1T** | 3 |

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HUMAN SERVICES, continued

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

HVAC/R TECHNOLOGY

| | | | |
|-------------|----------|-------------|--|
| HCR 103-458 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

INDUSTRIAL ENGINEERING TECHNOLOGY

| | | | |
|-------------|----------|-------------|--|
| IND 109-930 | By Title | CAREER/TECH | |
|-------------|----------|-------------|--|

JOURNALISM

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

LASER ELECTRO-OPTICS TECHNOLOGY

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

LITERATURE

| | | | |
|---------|-------------------------------------|-----------|---|
| LIT 101 | Introduction to Literature | ENGL 201 | 3 |
| LIT 110 | American Literature to Mid 1800s | ENGL 227 | 3 |
| LIT 111 | American Literature since Mid 1800s | ENGL 228 | 3 |
| LIT 130 | African American Literature | ENGL 2T** | 3 |
| LIT 134 | Multicultural Literature | ENGL 2T** | 3 |
| LIT 140 | British Literature I | ENGL 225 | 3 |
| LIT 141 | British Literature II | ENGL 226 | 3 |
| LIT 160 | Short Story/Novel | ENGL 2T** | 3 |
| LIT 190 | Women Writers | ENGL 2T** | 3 |

MANAGEMENT AND HUMAN RESOURCES

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

MARKETING

| | | | |
|---------|-------------------------|-------------|---|
| APP 150 | Clothing Selection | CAREER/TECH | |
| APP 210 | Apparel Textiles | A M D 1T** | 3 |
| MKT 110 | Principles of Marketing | MKT 2T** | 3 |
| MKT 140 | Principles of Selling | MKT 2T** | 3 |

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| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |

MARKETING, continued

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

MATHEMATICS

| | | | |
|-------------|----------------------|-----------|-----------|
| MAT 057-068 | By Title | | No Credit |
| *MAT 102 | Intermediate Algebra | MATH 100Z | 4 |

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

| | | | |
|-------------|---|-------------|-----|
| MAT 114 | Elementary Educators Math I | MATH 195 | 3 |
| MAT 121 | College Algebra | MATH 140 | 4 |
| MAT 129 | Precalculus | MATH 143 | 5 |
| MAT 130 | Trigonometry | MATH 1T** | 3 |
| MAT 157 | Statistics | STAT 101 | 4 |
| MAT 211 | Calculus I | MATH 165 | 5 |
| MAT 217 | Calculus II | MATH 166 | 5 |
| MAT 220 | Calculus III | MATH 265 | 5 |
| MAT 225 | Differential Equations | MATH 2T** | 3 |
| MAT 227 | Differential Equations w/Laplace Transforms | MATH 267 | 4 |
| MAT 711-752 | By Title | CAREER/TECH | |
| MAT 908 | Cooperative Education | MATH 2T** | 1-6 |

MEDIA STUDIES

| | | | |
|-------------|---------------------------------------|-------------|--------|
| MMS 105 | Audio Production | JL MC 1T** | 3 |
| MMS 107 | Sports Field Production | CAREER/TECH | |
| MMS 113 | Introduction to Media Production | JL MC 1T** | 3 |
| MMS 114 | Media Production II | JL MC 1T** | 3 |
| MMS 123 | Electronic Media Performance | JL MC 1T** | 3 |
| MMS 134 | Media Writing | JL MC 1T** | 3 |
| MMS 135 | Introduction to Copy Writing | JL MC 1T** | 3 |
| MMS 146-202 | By Title | CAREER/TECH | |
| MMS 204 | New Media Production | JL MC 2T** | 3 |
| MMS 205-223 | By Title | CAREER/TECH | |
| MMS 231-232 | Advanced Video Production I, II | JL MC 2T** | 3 each |
| MMS 260 | Electronic Media Sales and Management | JL MC 2T** | 3 |
| MMS 261 | Programming for the Electronic Media | CAREER/TECH | |
| MMS 296 | Video Practicum I | JL MC 2T** | 1 |
| MMS 297-933 | By Title | CAREER/TECH | |

MANUFACTURING

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

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| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |

MEDICAL ASSISTANT

MAP 123-612 By Title CAREER/TECH

MILITARY AND ROTC

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

APPLIED MUSIC

| | | | |
|-------------|----------------------------|------------|--------|
| MUA 133 | Applied Music Composition | MUSIC 1T** | 2 |
| MUA 153 | Applied Woodwinds | MUSIC 1T** | 2 |
| MUA 185 | Applied Music Technology | MUSIC 1T** | 2 |
| MUA 400-401 | Applied Voice I-II | MUSIC 1T** | 2 each |
| MUA 402-403 | Applied Voice III-IV | MUSIC 2T** | 2 each |
| MUA 410-411 | Applied Piano I-II | MUSIC 1T** | 2 each |
| MUA 412-413 | Applied Piano III-IV | MUSIC 2T** | 2 each |
| MUA 415-416 | Applied Bassoon I-II | MUSIC 1T** | 2 each |
| MUA 417-418 | Applied Bassoon III-IV | MUSIC 2T** | 2 each |
| MUA 420-421 | Applied Guitar I-II | MUSIC 1T** | 2 each |
| MUA 422-423 | Applied Guitar III-IV | MUSIC 2T** | 2 each |
| MUA 425-426 | Applied Euphonium I-II | MUSIC 1T** | 2 each |
| MUA 427-428 | Applied Euphonium III-IV | MUSIC 2T** | 2 each |
| MUA 430-431 | Applied String Bass I-II | MUSIC 1T** | 2 each |
| MUA 432-433 | Applied String Bass III-IV | MUSIC 2T** | 2 each |
| MUA 435-436 | Applied French Horn I-II | MUSIC 1T** | 2 each |
| MUA 437-438 | Applied French Horn III-IV | MUSIC 2T** | 2 each |
| MUA 440-441 | Applied Clarinet I-II | MUSIC 1T** | 2 each |
| MUA 442-443 | Applied Clarinet III-IV | MUSIC 2T** | 2 each |
| MUA 445-446 | Applied Oboe I-II | MUSIC 1T** | 2 each |
| MUA 447-448 | Applied Oboe III-IV | MUSIC 2T** | 2 each |
| MUA 450-451 | Applied Flute I-II | MUSIC 1T** | 2 each |
| MUA 452-453 | Applied Flute III-IV | MUSIC 2T** | 2 each |
| MUA 455-456 | Applied Tuba I-II | MUSIC 1T** | 2 each |
| MUA 457-458 | Applied Tuba III-IV | MUSIC 2T** | 2 each |
| MUA 460-461 | Applied Saxophone I-II | MUSIC 1T** | 2 each |
| MUA 462-463 | Applied Saxophone III-IV | MUSIC 2T** | 2 each |
| MUA 470-471 | Applied Trombone I-II | MUSIC 1T** | 2 each |
| MUA 472-473 | Applied Trombone III-IV | MUSIC 2T** | 2 each |
| MUA 480-481 | Applied Trumpet I-II | MUSIC 1T** | 2 each |
| MUA 482-483 | Applied Trumpet III-IV | MUSIC 2T** | 2 each |
| MUA 490-491 | Applied Percussion I-II | MUSIC 1T** | 2 each |
| MUA 492-493 | Applied Percussion III-IV | MUSIC 2T** | 2 each |

| IOWA WESTERN COMMUNITY COLLEGE | | IOWA STATE | |
|--------------------------------|--------------|------------|---------|
| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |

MUSIC

| | | | |
|-------------|--|-------------|--------|
| MUS 100 | Music Appreciation | MUSIC 102 | 3 |
| MUS 102 | Music Fundamentals | MUSIC 101 | 3 |
| MUS 109 | Jazz Combo I | MUSIC 1T** | 1 |
| MUS 114 | Jazz Combo II | MUSIC 1T** | 1 |
| MUS 124 | Instrumental Jazz Ensemble I | MUSIC 1T** | 1 |
| MUS 134 | Concert Choir I | MUSIC 1T** | 1 |
| MUS 137 | Concert Band I | MUSIC 1T** | 1 |
| MUS 141-142 | Concert Choir II-III | MUSIC 1T** | 1 each |
| MUS 182-184 | Instrumental Jazz Ensemble II-IV | MUSIC 1T** | 1 each |
| MUS 185-188 | Class Piano I-IV | MUSIC 1T** | 1 each |
| MUS 204 | History of Rock and Roll | MUSIC 2T** | 3 |
| MUS 213 | Men's Ensemble I | MUSIC 2T** | 1 |
| MUS 224 | Men's Ensemble II | MUSIC 2T** | 1 |
| MUS 232 | Jazz Combo III | MUSIC 2T** | 1 |
| MUS 234 | Jazz Combo IV | MUSIC 2T** | 1 |
| MUS 238 | Men's Ensemble III | MUSIC 2T** | 1 |
| MUS 240 | Concert Choir IV | MUSIC 2T** | 1 |
| MUS 245 | Concert Band II | MUSIC 2T** | 1 |
| MUS 248 | Men's Ensemble IV | MUSIC 2T** | 1 |
| MUS 277 | Jazz Lab Band | MUSIC 2T** | 1 |
| MUS 305 | Introduction to Audio | MUSIC 1T** | 3 |
| MUS 306 | Digital Audio Production I | MUSIC 1T** | 3 |
| MUS 307 | Digital Audio Production II | MUSIC 2T** | 3 |
| MUS 310-311 | Recording Project I-II | MUSIC 1T** | 1 each |
| MUS 312-313 | Recording Project III-IV | MUSIC 2T** | 1 each |
| MUS 320-328 | By Title | CAREER/TECH | |
| MUS 330-331 | Audio Mixing I-II | MUSIC 1T** | 3 each |
| MUS 333 | Popular Music Analysis | MUSIC 2T** | 3 |
| MUS 335 | Audio Mastering | CAREER/TECH | |
| MUS 350-351 | Percussion Ensemble I-II | MUSIC 1T** | 1 each |
| MUS 352-353 | Percussion Ensemble III-IV | MUSIC 2T** | 1 each |
| MUS 360-361 | Women's Ensemble I-II | MUSIC 1T** | 1 each |
| MUS 362-363 | Women's Ensemble III-IV | MUSIC 2T** | 1 each |
| MUS 370-371 | Marching Band I-II | MUSIC 1T** | 1 each |
| MUS 385-386 | Winter Guard I-II | MUSIC 1T** | 1 each |
| MUS 390-391 | Show Choir I-II | MUSIC 1T** | 1 each |
| MUS 392-393 | Show Choir III-IV | MUSIC 2T** | 1 each |
| MUS 398 | Recording for Songwriters and Producers | MUSIC 2T** | 3 |
| MUS 399 | Music Creation for Contemporary Production | MUSIC 2T** | 3 |
| MUS 400-401 | Music in Theory and Practice I-II | MUSIC 1T** | 3 each |
| MUS 402-403 | Music in Theory and Practice III-IV | MUSIC 2T** | 3 each |
| MUS 410-411 | Ear Training and Sight Singing I-II | MUSIC 1T** | 1 each |
| MUS 412-413 | Ear Training and Sight Singing III-IV | MUSIC 2T** | 1 each |
| MUS 430 | Woodwind Ensemble I | MUSIC 1T** | 1 |
| MUS 433 | Woodwind Ensemble IV | MUSIC 2T** | 1 |
| MUS 434-435 | Brass Ensemble I-II | MUSIC 1T** | 1 each |
| MUS 436-437 | Brass Ensemble III-IV | MUSIC 2T** | 1 each |
| MUS 440-441 | Chamber Choir I-II | MUSIC 1T** | 1 each |
| MUS 442-443 | Chamber Choir III-IV | MUSIC 2T** | 1 each |
| MUS 444-445 | Fall Pep Band I-II | MUSIC 1T** | 1 each |
| MUS 446 | Spring Pep Band I | MUSIC 1T** | 1 |

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| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |

MUSIC, continued

| | | | |
|-------------|------------------------------|------------|--------|
| MUS 451-452 | Woodwind Ensemble II-III | MUSIC 2T** | 1 each |
| MUS 936 | Audio Engineering Internship | MUSIC 2T** | 2 |

NURSING

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

PARALEGAL AND LEGAL STUDIES

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

PHILOSOPHY

| | | | |
|---------|----------------------------|------------|---|
| PHI 101 | Introduction to Philosophy | PHIL 201 | 3 |
| PHI 105 | Introduction to Ethics | PHIL 230 | 3 |
| PHI 111 | Basic Reasoning | PHIL 1T** | 3 |
| PHI 142 | Ethics in Business | PHIL 1T** | 3 |
| PHI 211 | Ethics in the Media | JL MC 2T** | 3 |

PHYSICAL EDUCATION AND WELLNESS

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

PHYSICAL SCIENCE

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

| IOWA WESTERN COMMUNITY COLLEGE | | IOWA STATE | |
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| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |

PHYSICAL THERAPY ASSISTANT

PTA 102-414 By Title CAREER/TECH

PHYSICS

| | | | |
|---------|---------------------------------------|-------------|---|
| PHY 156 | General Physics I | PHYS 111 | 5 |
| PHY 157 | General Physics I Lab | | |
| PHY 210 | Classical Physics I - Calculus Based | PHYS 221 | 5 |
| PHY 211 | Classical Physics I Lab | | |
| PHY 220 | Classical Physics II - Calculus Based | PHYS 232 | 4 |
| PHY 221 | Classical Physics II Lab | PHYS 232L | 1 |
| PHY 715 | Technical Physics I | CAREER/TECH | |

PLUMBING

PLU 101-198 By Title CAREER/TECH

POLITICAL SCIENCE

| | | | |
|---------|-------------------------------------|------------|---|
| POL 111 | American National Government | POL S 215 | 3 |
| POL 112 | American State and Local Government | POL S 2T** | 3 |
| POL 121 | International Relations | POL S 251 | 3 |
| POL 201 | The U.S. Constitution | POL S 2T** | 3 |

PSYCHOLOGY

| | | | |
|---------|-------------------------------|------------|---|
| PSY 111 | Introduction to Psychology | PSYCH 101 | 3 |
| PSY 113 | Personality and Adjustment | PSYCH 1T** | 3 |
| PSY 121 | Developmental Psychology | PSYCH 230 | 3 |
| PSY 210 | Sport and Exercise Psychology | KIN 2T** | 3 |
| PSY 224 | Adolescent Psychology | PSYCH 2T** | 3 |
| PSY 241 | Abnormal Psychology | PSYCH 2T** | 3 |
| PSY 251 | Social Psychology | PSYCH 280 | 3 |
| PSY 261 | Human Sexuality | HD FS 276 | 3 |
| PSY 281 | Educational Psychology | PSYCH 2T** | 3 |
| PSY 293 | Issues in Psychology | PSYCH 2T** | 3 |

RELIGION

REL 101 Survey of World Religions RELIG 205 3

ROBOTICS

ATR 113-170 By Title CAREER/TECH

SOCIOLOGY

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

| IOWA WESTERN COMMUNITY COLLEGE | | IOWA STATE | |
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| COURSE NUMBER | COURSE TITLE | EQUIVALENT | CREDITS |
| <u>SPEECH</u> | | | |
| SPC 112 | Public Speaking | SP CM 212 | 3 |
| SPC 120 | Intercultural Communications | COMST 1T** | 3 |
| SPC 122 | Interpersonal Communication | COMST 102 | 3 |
| SPC 170 | Professional Communication | COMST 214 | 3 |
| <u>STUDENT DEVELOPMENT</u> | | | |
| SDV 108 | The College Experience | ORIEN 1T** | 1 |
| SDV 114 | Strategies for Academic Success | PSYCH 131 | 3 |
| SDV 130 | Career Exploration | U ST 1T** | 1 |
| SDV 140 | College Success Skills Eng Language Learners | XXX 1T** | 3 |
| SDV 165 | Transfer Planning | U ST 1T** | 1 |
| <u>SURGICAL TECHNOLOGY</u> | | | |
| SUR 130-524 | By Title | CAREER/TECH | |
| <u>SUSTAINABLE ENERGY RESOURCES</u> | | | |
| SER 118-195 | By Title | CAREER/TECH | |
| <u>THEATRE</u> | | | |
| DRA 101 | Introduction to Theatre | THTRE 106 | 3 |
| DRA 125 | Introduction to Play Analysis | THTRE 263 | 3 |
| DRA 126 | Movement for the Actor | THTRE 1T** | 3 |
| DRA 130 | Acting I | THTRE 251 | 3 |
| DRA 132 | Acting II | THTRE 1T** | 3 |
| DRA 162 | Technical Theatre | THTRE 255 | 3 |
| DRA 165 | Stagecraft | THTRE 2T** | 3 |
| DRA 178 | Stage Costume | THTRE 1T** | 3 |
| DRA 179 | Stage Make-Up | THTRE 1T** | 3 |
| DRA 180-181 | Theatre Lab I, II | THTRE 1T** | 1 each |
| DRA 280-281 | Theatre Lab III, IV | THTRE 2T** | 1 each |
| DRA 305 | Introduction to Audio | THTRE 2T** | 3 |
| <u>UTILITIES</u> | | | |
| UTL 108-308 | By Title | CAREER/TECH | |
| <u>VETERINARY TECHNOLOGY</u> | | | |
| AGV 100-806 | By Title | CAREER/TECH | |
| <u>WEB DEVELOPMENT</u> | | | |
| WDV 121-133 | By Title | CAREER/TECH | |
| <u>WELDING</u> | | | |
| WEL 117-301 | By Title | CAREER/TECH | |
| <u>WIND ENERGY AND TURBINE TECHNOLOGY</u> | | | |
| WTT 103-202 | By Title | CAREER/TECH | |