

Upper Iowa University
and
Northcentral Technical College

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**Course-to-Course Articulation**  
August 2021

| Upper Iowa University |                                                |      |       |    | Northcentral Technical College |                                                       |        |
|-----------------------|------------------------------------------------|------|-------|----|--------------------------------|-------------------------------------------------------|--------|
| Course ID             | Course Title                                   | # Cr | F C O |    | Course ID                      | Course Title                                          | # Cr   |
| <b>Accounting</b>     |                                                |      |       |    |                                |                                                       |        |
| ACCT 201              | Accounting Principles I                        | 3    | C O   | or | 10-101-111<br>10-101-147       | Accounting 1<br>Accounting Fundamentals               | 4<br>3 |
| ACCT 202              | Accounting Principles II                       | 3    | C O   |    | 10-101-113                     | Accounting 2                                          | 4      |
| ACCT 321              | Intermediate Financial Accounting I            | 3    | C O   |    | 10-101-115                     | Intermediate Accounting                               | 4      |
| ACCT 322              | Intermediate Financial Accounting II           | 3    | C O   |    |                                |                                                       |        |
| ACCT 323              | Federal Taxation I                             | 3    | C O   |    | 10-101-121                     | Individual Tax Accounting                             | 3      |
| ACCT 324              | Federal Taxation II                            | 3    | C O   |    |                                |                                                       |        |
| ACCT 422              | Cost Accounting                                | 3    | C O   |    |                                |                                                       |        |
| ACCT 425              | Auditing                                       | 3    | C O   |    |                                |                                                       |        |
| ACCT 431              | Advanced Financial Accounting                  | 3    | C O   |    | N/A                            | Must be taken at UIU or another four-year institution |        |
| ACCT 432              | Accounting for Not-For-Profit Organizations    | 3    | C O   |    | N/A                            | Must be taken at UIU or another four-year institution |        |
| <b>Anthropology</b>   |                                                |      |       |    |                                |                                                       |        |
| ANTH 101              | World Cultures/ World Cinema I                 | 1    | C     |    |                                |                                                       |        |
| ANTH 102              | World Cultures/ World Cinema II                | 1    | C     |    |                                |                                                       |        |
| ANTH 110              | Introduction to Cultural Anthropology          | 3    | C O   |    |                                |                                                       |        |
| ANTH 120              | Culture and Difference                         | 3    | C     |    |                                |                                                       |        |
| ANTH 206              | Introduction to the Hmong Culture and Language | 3    |       | O  |                                |                                                       |        |
| ANTH 214              | Visual Anthropology                            | 3    | C     |    |                                |                                                       |        |
| ANTH 310              | Political Anthropology                         | 3    | C O   |    |                                |                                                       |        |
| <b>Art</b>            |                                                |      |       |    |                                |                                                       |        |
| ART 100               | Introduction to Art                            | 3    | C O   |    |                                |                                                       |        |
| ART 101               | Digital Tools                                  | 3    | C     |    |                                |                                                       |        |
| ART 109               | Two Dimensional Foundations                    | 3    | C     |    |                                |                                                       |        |
| ART 110               | Drawing                                        | 3    | C O   |    |                                |                                                       |        |
| ART 120               | Three Dimensional Foundations                  | 3    | C     |    |                                |                                                       |        |
| ART 202               | Painting                                       | 3    | C     |    |                                |                                                       |        |
| ART 204               | Printmaking                                    | 3    | C     |    |                                |                                                       |        |
| ART 210               | Intermediate Drawing                           | 3    | C     |    |                                |                                                       |        |
| ART 211               | Art History I                                  | 3    | C O   |    |                                |                                                       |        |
| ART 212               | Art History II                                 | 3    | C O   |    |                                |                                                       |        |
| ART 222               | Ceramics/Hand Building                         | 3    | C     |    |                                |                                                       |        |
| ART 223               | Ceramics/Wheel Throwing                        | 3    | C     |    |                                |                                                       |        |
| ART 225               | Sculpture                                      | 3    | C     |    |                                |                                                       |        |
| ART 252               | Art and Architecture in Italy                  | 3    | C     |    |                                |                                                       |        |
| ART 300               | Human Figure Drawing I                         | 3    | C     |    |                                |                                                       |        |
| ART 301               | Human Figure Drawing II                        | 3    | C     |    |                                |                                                       |        |
| ART 304               | Printmaking: Screen Printing                   | 3    | C     |    |                                |                                                       |        |
| ART 305               | Environmental Art                              | 3    | C O   |    |                                |                                                       |        |
| ART 313               | 20th Century Art                               | 3    | C     |    |                                |                                                       |        |
| ART 325               | Intermediate Sculpture                         | 3    | C     |    |                                |                                                       |        |
| ART 330               | Watercolor/Water Media                         | 3    | C O   |    |                                |                                                       |        |
| ART 375               | Art and Material Culture                       | 3    | C     |    |                                |                                                       |        |
| ART 403               | Internship                                     | 3    | C     |    |                                |                                                       |        |
| ART 404               | Advanced Printmaking                           | 3    |       |    |                                |                                                       |        |

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| Course ID             | Course Title                                             | # Cr | F C | O C | Course ID                      | Course Title             | # Cr |
| Art                   |                                                          |      |     |     |                                |                          |      |
| ART 410               | Advanced Drawing                                         | 3    | C   | O   |                                |                          |      |
| ART 412               | Advanced Painting                                        | 3    | C   |     |                                |                          |      |
| ART 423               | Advanced Ceramics                                        | 3    | C   |     |                                |                          |      |
| ART 425               | Advanced Sculpture                                       | 3    | C   |     |                                |                          |      |
| ART 430               | Advanced Watercolor/Water Media                          | 3    | C   |     |                                |                          |      |
| ART 470               | Senior Seminar                                           | 3    | C   |     | N/A                            | Must be taken at UIU     |      |
| ART 490               | Senior Thesis                                            | 1    | C   |     | N/A                            | Must be taken at UIU     |      |
| ART 492               | Senior Arts Administration Thesis                        | 1    | C   |     | N/A                            | Must be taken at UIU     |      |
| ART 272               | World Art: Survey of Non-Western Art                     | 3    | C   | O   |                                |                          |      |
| ART 323               | Ceramics Mold Making                                     | 3    | C   |     |                                |                          |      |
| ART 372               | Survey of American Art                                   | 3    | C   | O   |                                |                          |      |
| Biology               |                                                          |      |     |     |                                |                          |      |
| BIO 100               | General Biological Science                               | 3    | C   | O   | 10-806-114                     | General Biology          | 4    |
| BIO 135               | Principles of Biology I                                  | 4    | C   |     |                                |                          |      |
| BIO 140               | Principles of Biology II                                 | 4    | C   |     |                                |                          |      |
| BIO 165               | Human Biology and Nutrition                              | 3    | C   | O   |                                |                          |      |
| BIO 190               | Introduction to Biological Evolution                     | 3    | C   | O   |                                |                          |      |
| BIO 201               | Scientific Literature Skills (also CHEM 201)             | 1    | C   |     |                                |                          |      |
| BIO 210               | Microbiology                                             | 4    | C   |     | 10-806-197                     | Microbiology             | 4    |
| BIO 215               | Local Field Science                                      | 3    | C   | O   |                                |                          |      |
| BIO 220               | Zoology                                                  | 4    | C   |     |                                |                          |      |
| BIO 223               | Plant Propagation                                        | 3    | C   |     |                                |                          |      |
| BIO 230               | Invertebrate Zoology                                     | 4    | C   |     |                                |                          |      |
| BIO 231               | General Botany                                           | 4    | C   |     |                                |                          |      |
| BIO 268               | Introduction to Human Anatomy and Physiology             | 4    | C   |     |                                |                          |      |
| BIO 270               | Human Anatomy and Physiology I                           | 4    | C   |     | 10-806-177                     | Gen Anatomy & Physiology | 4    |
| BIO 275               | Human Anatomy and Physiology II                          | 4    | C   |     | 10-806-179                     | Adv Anatomy & Physiology | 4    |
| BIO 280               | Plants of Iowa                                           | 4    | C   |     |                                |                          |      |
| BIO 283               | General Genetics                                         | 4    | C   |     |                                |                          |      |
| BIO 301               | Individual Research in the Biological Sciences           | 1    | C   |     |                                |                          |      |
| BIO 303               | Experience in Health Science Careers                     | 3    | C   |     |                                |                          |      |
| BIO 311               | Evolution for Everyone                                   | 3    | C   | O   |                                |                          |      |
| BIO 315               | Ichthyology                                              | 4    | C   |     |                                |                          |      |
| BIO 323               | Plant Nutrition                                          | 3    | C   |     |                                |                          |      |
| BIO 325               | Plant Physiology                                         | 4    | C   |     |                                |                          |      |
| BIO 330               | Vertebrate Histology                                     | 4    | C   |     |                                |                          |      |
| BIO 335               | Ecology                                                  | 4    | C   |     |                                |                          |      |
| BIO 340               | Evolution                                                | 3    | C   |     |                                |                          |      |
| BIO 352               | Parasitology                                             | 4    | C   |     |                                |                          |      |
| BIO 365               | Conservation Biology                                     | 3    | C   |     |                                |                          |      |
| BIO 370               | Pathophysiology                                          | 3    | C   |     |                                |                          |      |
| BIO 371               | Pathophysiology Lab                                      | 1    | C   |     |                                |                          |      |
| BIO 375               | Immunology                                               | 3    | C   |     |                                |                          |      |
| BIO 381               | Cell and Molecular Biology                               | 3    | C   |     |                                |                          |      |
| BIO 385               | Ornithology                                              | 4    | C   |     |                                |                          |      |
| BIO 391               | Mammalogy                                                | 4    | C   |     |                                |                          |      |
| BIO 393               | Herpetology                                              | 4    | C   |     |                                |                          |      |
| BIO 396               | Molecular Tools I - DNA Techniques                       | 3    | C   |     |                                |                          |      |
| BIO 397               | Molecular Tools II - Cell Biology and Protein Techniques | 3    | C   |     |                                |                          |      |
| BIO 398               | Thesis Research I                                        | 2    | C   |     | N/A                            | Must be taken at UIU     |      |
| BIO 403               | Field Internship                                         | 3    | C   |     |                                |                          |      |
| BIO 420               | Cancer Biology                                           | 3    | C   |     |                                |                          |      |

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| <b>Biology</b>        |                                                |      |     |     |                                |                                                                   |        |
| BIO 428               | Plant Pathology                                | 4    | C   |     |                                |                                                                   |        |
| BIO 430               | Wildlife Management                            | 4    | C   |     |                                |                                                                   |        |
| BIO 435               | Fisheries Management                           | 3    | C   |     |                                |                                                                   |        |
| BIO 470               | Wildlife Forensics                             | 3    | C   |     |                                |                                                                   |        |
| BIO 480               | Stream Ecology                                 | 4    | C   |     |                                |                                                                   |        |
| BIO 490               | Entomology                                     | 4    | C   |     |                                |                                                                   |        |
| BIO 496               | Senior Project                                 | 2    | C   |     | N/A                            | Must be taken at UIU                                              |        |
| BIO 498               | Thesis Research II                             | 2    | C   |     | N/A                            | Must be taken at UIU                                              |        |
| <b>Business</b>       |                                                |      |     |     |                                |                                                                   |        |
| BA 210                | Management Principles                          | 3    | C   | O   | 10-091-190                     | Farm Business Management                                          | 3      |
| BA 222                | Management Information Systems                 | 3    | C   | O   |                                |                                                                   |        |
| BA 225                | Business Ethics                                | 3    | C   | O   |                                |                                                                   |        |
| BA 256                | Quantitative Analysis for Business I           | 3    | C   | O   |                                |                                                                   |        |
| BA 302                | Business Law and Ethics                        | 3    | C   | O   | 10-102-160                     | Business Law 1                                                    | 3      |
| BA 303                | Business Law II                                | 3    | C   | O   |                                |                                                                   |        |
| BA 317                | International Management                       | 3    | C   | O   |                                |                                                                   |        |
| BA 325                | New Venture Creation                           | 3    | C   | O   |                                |                                                                   |        |
| BA 334                | Social Entrepreneurship                        | 3    |     | O   |                                |                                                                   |        |
| BA 352                | Risk Management                                | 3    | C   | O   |                                |                                                                   |        |
| BA 356                | Quantitative Analysis for Business II          | 3    | C   | O   |                                |                                                                   |        |
| BA 361                | Human Resources Management                     | 3    | C   | O   | 10-196-193                     | Managing Human Resources & Labor Relations                        | 3      |
| BA 362                | Supervision                                    | 3    | C   | O   | 10-196-191                     | Supervision & Management Skills                                   | 3      |
| BA 365                | Leadership Theory                              | 3    | C   | O   | or 10-182-141<br>10-196-190    | Project Management Leadership Principles<br>Leading Strategically | 3<br>3 |
| BA 367                | Cross-Cultural Leadership                      | 3    | C   | O   |                                |                                                                   |        |
| BA 370                | Entrepreneurship and Small Business Management | 3    | C   | O   |                                |                                                                   |        |
| BA 371                | Training and Development                       | 3    |     | O   |                                |                                                                   |        |
| BA 374                | Business Communication                         | 3    | C   | O   |                                |                                                                   |        |
| BA 383                | Compensation and Benefits Management           | 3    |     | O   |                                |                                                                   |        |
| BA 390                | Complex Organizations                          | 3    |     | O   |                                |                                                                   |        |
| BA 393                | Personnel Selection and Evaluation             | 3    |     | O   |                                |                                                                   |        |
| BA 403                | Internship                                     | 3    | C   | O   |                                |                                                                   |        |
| BA 411                | Labor Relations and Negotiation                | 3    | C   | O   |                                |                                                                   |        |
| BA 415                | Cross-Cultural Negotiation                     | 3    |     | O   |                                |                                                                   |        |
| BA 423                | Production and Operations Management           | 3    | C   | O   |                                |                                                                   |        |
| BA 445                | Contemporary Topics in Management              | 3    | C   | O   |                                |                                                                   |        |
| BA 449                | Business and Industrial Crisis Management      | 3    |     | O   |                                |                                                                   |        |
| BA 454                | Management Cases                               | 3    | C   | O   |                                |                                                                   |        |
| BA 456                | Marketing Cases                                | 3    | C   | O   |                                |                                                                   |        |
| BA 457                | Business Study Travel                          | 3    | C   |     |                                |                                                                   |        |
| BA 460                | Strategic Management                           | 3    | C   | O   |                                |                                                                   |        |
| BA 474                | Organizational Behavior                        | 3    | C   | O   |                                |                                                                   |        |
| <b>Chemistry</b>      |                                                |      |     |     |                                |                                                                   |        |
| CHEM 102              | Intro to Forensic Science                      | 3    | C   | O   |                                |                                                                   |        |
| CHEM 103              | Forensic Science Lab                           | 1    | C   |     |                                |                                                                   |        |
| CHEM 115              | Environmental Chemistry                        | 3    | C   | O   |                                |                                                                   |        |
| CHEM 140              | Chemistry for Everyday Life                    | 3    | C   | O   |                                |                                                                   |        |
| CHEM 141              | Chemistry for Everyday Life Laboratory         | 1    | C   |     |                                |                                                                   |        |
| CHEM 151              | General Chemistry I                            | 4    | C   |     |                                |                                                                   |        |
| CHEM 152              | General Chemistry II                           | 4    | C   |     |                                |                                                                   |        |
| CHEM 201              | Scientific Literature Skills (also BIO 201)    | 1    | C   |     |                                |                                                                   |        |
| CHEM 220              | Quantitative Analysis                          | 4    | C   |     |                                |                                                                   |        |

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| <b>Chemistry</b>        |                                                      |      |     |     |                                |                                   |      |
| CHEM 251                | Organic Chemistry I                                  | 4    | C   |     |                                |                                   |      |
| CHEM 252                | Organic Chemistry II                                 | 4    | C   |     |                                |                                   |      |
| CHEM 301                | Physical Chemistry I                                 | 3    | C   |     |                                |                                   |      |
| CHEM 302                | Physical Chemistry II                                | 3    | C   |     |                                |                                   |      |
| CHEM 309                | Individual Research in the Chemical Sciences         | 1    | C   |     |                                |                                   |      |
| CHEM 325                | Forensic Chemistry                                   | 4    | C   |     |                                |                                   |      |
| CHEM 330                | Biochemistry I                                       | 3    | C   |     |                                |                                   |      |
| CHEM 331                | Biochemistry II                                      | 3    | C   |     |                                |                                   |      |
| CHEM 335                | Biochemistry Laboratory                              | 1    | C   |     |                                |                                   |      |
| CHEM 345                | Chemical Spectroscopy and Instrumentation            | 4    | C   |     |                                |                                   |      |
| CHEM 361                | Inorganic Chemistry                                  | 3    | C   |     |                                |                                   |      |
| CHEM 391                | Chemistry Research I                                 | 2    | C   |     | N/A                            | Must be taken at UIU              |      |
| CHEM 401                | Organometallics                                      | 3    | C   |     |                                |                                   |      |
| CHEM 410                | Advanced Organic Chemistry                           | 3    | C   |     |                                |                                   |      |
| CHEM 431                | Heterocyclic Chemistry                               | 3    | C   |     |                                |                                   |      |
| CHEM 471                | Molecular Spectroscopy                               | 3    | C   |     |                                |                                   |      |
| CHEM 491                | Chemistry Research II                                | 2    | C   |     | N/A                            | Must be taken at UIU              |      |
| <b>Communication</b>    |                                                      |      |     |     |                                |                                   |      |
| COMM 102                | Introduction to Mass Media                           | 3    | C   | O   |                                |                                   |      |
| COMM 105                | Public Speaking                                      | 3    | C   | O   | 10-801-198                     | Speech                            | 3    |
| COMM 107                | Human Communication                                  | 3    | C   | O   |                                |                                   |      |
| COMM 200                | Interpersonal Communication                          | 3    | C   | O   | 10-801-196                     | Oral/Interpersonal Communication  | 3    |
| COMM 203                | Communication Theory                                 | 3    | C   | O   |                                |                                   |      |
| COMM 220                | Principles of Interviewing                           | 3    | C   | O   |                                |                                   |      |
| COMM 221                | Intercultural Communication                          | 3    | C   | O   |                                |                                   |      |
| COMM 241                | Journalism Workshop                                  | 1    | C   |     |                                |                                   |      |
| COMM 261                | Radio Workshop                                       | 1    | C   |     |                                |                                   |      |
| COMM 271                | Television Workshop                                  | 1    | C   |     |                                |                                   |      |
| COMM 275                | Survey of Television (also ENG 275)                  | 3    | C   | O   |                                |                                   |      |
| COMM 276                | Television Production                                | 3    | C   | O   |                                |                                   |      |
| COMM 286                | Radio Production                                     | 3    | C   | O   |                                |                                   |      |
| COMM 290                | The Movies (also ENG 290)                            | 3    | C   | O   |                                |                                   |      |
| COMM 305                | Organizational Communication                         | 3    | C   | O   |                                |                                   |      |
| COMM 307                | Business and Professional Communication              | 3    | C   | O   |                                |                                   |      |
| COMM 308                | Sports Writing and Reporting                         | 3    | C   | O   |                                |                                   |      |
| COMM 310                | Feature Writing                                      | 3    | C   | O   |                                |                                   |      |
| COMM 320                | News Editing                                         | 3    | C   | O   |                                |                                   |      |
| COMM 326                | New and Experimental Media                           | 3    | C   | O   |                                |                                   |      |
| COMM 332                | Writing for Media                                    | 3    | C   | O   |                                |                                   |      |
| COMM 334                | Public Relations                                     | 3    | C   | O   |                                |                                   |      |
| COMM 341                | Journalism Workshop                                  | 1    | C   |     |                                |                                   |      |
| COMM 352                | Rhetoric and Public Culture                          | 3    | C   | O   |                                |                                   |      |
| COMM 361                | Radio Workshop                                       | 1    | C   |     |                                |                                   |      |
| COMM 371                | Television Workshop                                  | 1    | C   |     |                                |                                   |      |
| COMM 390                | Research Methods in Communication                    | 3    | C   | O   |                                |                                   |      |
| COMM 403                | Internship                                           | 1-3  | C   |     |                                |                                   |      |
| COMM 415                | Communication and Media Ethics                       | 3    | C   | O   |                                |                                   |      |
| <b>Computer Science</b> |                                                      |      |     |     |                                |                                   |      |
| CS 102                  | Introduction to Computer Applications and Technology | 3    | C   | O   | 10-106-186                     | Integrated Microsoft Applications | 3    |
| CS 122                  | IT Infrastructure                                    | 4    | C   | O   | 10-154-102                     | Computer Fundamentals 2           | 3    |
| CS 130                  | Foundations of Information Systems                   | 3    | C   | O   | 10-152-337                     | Data Analytics                    | 3    |
| CS 140                  | Introduction to Programing                           | 4    | C   | O   |                                |                                   |      |
| CS 206                  | Computer Architecture                                | 4    | C   | O   |                                |                                   |      |

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| <b>Computer Science</b>          |                                                   |      |     |     |                                |                        |      |
| CS 213                           | Operating Systems                                 | 4    | C   | O   | 10-150-122                     | Linux Server 1         | 3    |
| CS 332                           | Databases and Information Management              | 3    | C   | O   |                                |                        |      |
| CS 342                           | Human Computer Interaction                        | 3    | C   | O   |                                |                        |      |
| CS 400                           | Project Management and Integration                | 4    | C   | O   |                                |                        |      |
| CS 480                           | Senior Capstone I                                 | 1    | C   | O   | N/A                            | Must be taken at UIU   |      |
| CS 481                           | Senior Capstone II                                | 2    | C   | O   | N/A                            | Must be taken at UIU   |      |
| <b>Criminal Justice</b>          |                                                   |      |     |     |                                |                        |      |
| CJ 224                           | Introduction to Criminal Justice                  | 3    | C   | O   |                                |                        |      |
| CJ 237                           | Criminal Law and Procedure                        | 3    | C   | O   | 10-504-176                     | Criminal Legal System  | 3    |
| CJ 291                           | Community Oriented Policing                       | 3    | C   |     |                                |                        |      |
| CJ 315                           | Juvenile Justice                                  | 3    | C   | O   |                                |                        |      |
| CJ 321                           | Juvenile Delinquency                              | 3    | C   | O   |                                |                        |      |
| CJ 333                           | Criminology                                       | 3    | C   | O   |                                |                        |      |
| CJ 337                           | Victimology                                       | 3    | C   | O   |                                |                        |      |
| CJ 353                           | Sociology of Law                                  | 3    | C   |     |                                |                        |      |
| CJ 362                           | Criminal Investigations                           | 3    | C   | O   | 10-504-180                     | Criminal Investigation | 3    |
| CJ 365                           | Introduction to Policing                          | 3    | C   | O   |                                |                        |      |
| CJ 367                           | Ethics in Criminal Justice                        | 3    | C   | O   |                                |                        |      |
| CJ 380                           | Introduction to Corrections                       | 3    | C   | O   |                                |                        |      |
| CJ 388                           | Comparative Study of Criminal Justice             | 3    | C   | O   |                                |                        |      |
| CJ 396                           | Community Corrections                             | 3    | C   | O   |                                |                        |      |
| CJ 398                           | Justice Administration                            | 3    | C   | O   |                                |                        |      |
| CJ 403                           | Internship                                        | 3    | C   | O   |                                |                        |      |
| CJ 423                           | Introduction to Terrorism                         | 3    |     |     |                                |                        |      |
| CJ 425                           | Intelligence Analysis and Security Management     | 3    |     |     |                                |                        |      |
| CJ 426                           | Institutional Corrections                         | 3    | C   |     |                                |                        |      |
| CJ 428                           | Offender Treatment                                | 3    | C   | O   |                                |                        |      |
| CJ 499                           | Special Project                                   | 3    | C   | O   | N/A                            | Must be taken at UIU   |      |
| <b>Early Childhood Education</b> |                                                   |      |     |     |                                |                        |      |
| ECE 223                          | Health, Safety, and Nutrition in Early Childhood  | 3    | C   | O   |                                |                        |      |
| ECE 334                          | Field Experience: Infant/Toddler                  | 1    | C   | O   |                                |                        |      |
| ECE 335                          | Field Experience: Prekindergarten                 | 2    | C   | O   |                                |                        |      |
| ECE 436                          | Student Teaching Prekindergarten-Kindergarten     | 4    | C   | O   | N/A                            | Must be taken at UIU   |      |
| ECE 437                          | Student Teaching Kindergarten - Grade Three       | 4    | C   | O   | N/A                            | Must be taken at UIU   |      |
| ECE 438                          | Student Teaching Birth-Prekindergarten            | 4    | C   | O   | N/A                            | Must be taken at UIU   |      |
| ECE 451                          | Introduction to Early Childhood                   | 3    |     | O   |                                |                        |      |
| ECE 452                          | Observation and Assessment in Early Childhood     | 3    |     | O   |                                |                        |      |
| ECE 455                          | Methods and Curriculum of Early Childhood         | 3    |     | O   |                                |                        |      |
| ECE 456                          | Administration and Supervision of Early Childhood | 3    |     | O   |                                |                        |      |
| ECE 488                          | Student Teaching Birth-Prekindergarten            | 8    | C   | O   | N/A                            | Must be taken at UIU   |      |
| ECE 496                          | Student Teaching Prekindergarten-Kindergarten     | 8    | C   | O   | N/A                            | Must be taken at UIU   |      |
| ECE 498                          | Student Teaching Kindergarten-Grade Three         | 8    | C   | O   | N/A                            | Must be taken at UIU   |      |
| <b>Earth Science</b>             |                                                   |      |     |     |                                |                        |      |
| ES 100                           | Introduction to Geology                           | 3    | C   | O   |                                |                        |      |
| ES 114                           | Conservation of Natural Resources                 | 3    | C   | O   |                                |                        |      |
| ES 117                           | Natural Disasters                                 | 3    | C   | O   |                                |                        |      |
| ES 121                           | Dinosaurs                                         | 3    | C   | O   |                                |                        |      |

| Upper Iowa University |                                                                    |      |     |     | Northcentral Technical College |                          |      |
|-----------------------|--------------------------------------------------------------------|------|-----|-----|--------------------------------|--------------------------|------|
| Course ID             | Course Title                                                       | # Cr | F C | O C | Course ID                      | Course Title             | # Cr |
| <b>Earth Science</b>  |                                                                    |      |     |     |                                |                          |      |
| ES 161                | Introduction to Environmental Science                              | 3    | C   | O   |                                |                          |      |
| ES 175                | Earth Systems Laboratory                                           | 1    | C   |     |                                |                          |      |
| ES 220                | Soil and Water Conservation                                        | 3    | C   |     |                                |                          |      |
| ES 251                | Extinctions                                                        | 3    | C   | O   |                                |                          |      |
| ES 295                | Field Studies in Geosciences                                       | 1-3  | C   |     |                                |                          |      |
| ES 316                | Geomorphology                                                      | 4    | C   |     |                                |                          |      |
| ES 321                | Building an Eco-Economy                                            | 3    | C   | O   |                                |                          |      |
| ES 326                | Soil Genesis, Classification and Morphology                        | 4    | C   |     |                                |                          |      |
| ES 340                | Environmental Policy                                               | 3    |     |     |                                |                          |      |
| ES 410                | Regional Sustainability                                            | 3    | C   | O   |                                |                          |      |
| ES 417                | Hydrogeology                                                       | 4    | C   |     |                                |                          |      |
| <b>Economics</b>      |                                                                    |      |     |     |                                |                          |      |
| ECON 160              | Principles of Microeconomics                                       | 3    | C   | O   | 10-809-195                     | Economics                | 3    |
| ECON 161              | Principles of Macroeconomics                                       | 3    | C   | O   |                                |                          |      |
| ECON 212              | Agricultural Economics                                             | 3    |     | O   |                                |                          |      |
| ECON 281              | Western Economic History: 1600-Present (also HIST 281)             | 3    |     | O   |                                |                          |      |
| ECON 310              | Money and Capital Markets (also FIN 310)                           | 3    | C   | O   |                                |                          |      |
| ECON 433              | Environmental Economics                                            | 3    |     | O   |                                |                          |      |
| ECON 455              | Economics of Health and Health Care                                | 3    |     | O   |                                |                          |      |
| ECON 466              | Labor Economics                                                    | 3    | C   | O   |                                |                          |      |
| ECON 477              | Public Finance                                                     | 3    |     | O   |                                |                          |      |
| ECON 488              | International Trade                                                | 3    | C   | O   |                                |                          |      |
| ECON 493              | Managerial Economics                                               | 3    | C   | O   |                                |                          |      |
| <b>Education</b>      |                                                                    |      |     |     |                                |                          |      |
| EDU 104               | Mental Health First Aid for Youth                                  | 1    | C   |     |                                |                          |      |
| EDU 110               | Foundations of American Education                                  | 3    | C   | O   | N/A                            | Must be taken at UIU     |      |
| EDU 142               | Human Growth, Development and Guidance                             | 3    | C   | O   | 10-809-188                     | Developmental Psychology | 3    |
| EDU 152               | Assessment and Psychology                                          | 3    | C   | O   |                                |                          |      |
| EDU 162               | Diversity for Teachers                                             | 3    | C   | O   |                                |                          |      |
| EDU 232               | Grammar Content for Teachers                                       | 1    | C   | O   |                                |                          |      |
| EDU 252               | Computers and Instructional Technology                             | 3    | C   | O   |                                |                          |      |
| EDU 253               | NOT ACTIVE - Mathematics for Elementary and Middle School Teachers | 3    | C   | O   |                                |                          |      |
| EDU 300-1             | Teaching Secondary School Business                                 | 3    | C   | O   |                                |                          |      |
| EDU 300-10            | Teaching Secondary School Industrial Technology                    | 3    | C   |     |                                |                          |      |
| EDU 300-2             | Teaching Secondary School English                                  | 3    | C   |     |                                |                          |      |
| EDU 300-3             | NOT ACTIVE - Teaching Secondary School Foreign Language            | 3    | C   |     |                                |                          |      |
| EDU 300-4             | Teaching Secondary School Mathematics                              | 3    | C   |     |                                |                          |      |
| EDU 300-5             | Teaching Secondary School Science                                  | 3    | C   |     |                                |                          |      |
| EDU 300-6             | Teaching Secondary School Social Science                           | 3    | C   | O   |                                |                          |      |
| EDU 300-7             | Teaching Secondary School Speech                                   | 3    | C   |     |                                |                          |      |
| EDU 305               | Teaching Elementary Science                                        | 3    | C   | O   |                                |                          |      |
| EDU 306               | Field Experience I: Elementary                                     | 3    | C   | O   | N/A                            | Must be taken at UIU     |      |
| EDU 307               | Field Experience I: Secondary                                      | 3    | C   | O   | N/A                            | Must be taken at UIU     |      |
| EDU 308               | Field Experience I: Elementary/Secondary                           | 3    | C   | O   | N/A                            | Must be taken at UIU     |      |
| EDU 309               | Teaching Elementary Movement and Wellness                          | 1    | C   | O   |                                |                          |      |
| EDU 310               | Teaching Elementary Visual Arts                                    | 1    | C   | O   |                                |                          |      |

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|-----------------------|------------------------------------------------------------------------|------|-----|-----|--------------------------------|----------------------|------|
| Course ID             | Course Title                                                           | # Cr | F C | O C | Course ID                      | Course Title         | # Cr |
| Education             |                                                                        |      |     |     |                                |                      |      |
| EDU 314               | NOT ACTIVE - Teaching Elementary School Foreign Language               | 3    | C   |     |                                |                      |      |
| EDU 315               | Teaching Elementary Social Studies                                     | 3    | C   | O   |                                |                      |      |
| EDU 319               | NOT ACTIVE - Methods: Secondary                                        | 3    | C   | O   |                                |                      |      |
| EDU 321               | Field Experience II: Elementary                                        | 2    | C   | O   |                                |                      |      |
| EDU 322               | Field Experience II: Secondary                                         | 2    | C   | O   |                                |                      |      |
| EDU 323               | Field Experience II: Elementary/Secondary                              | 2    | C   | O   |                                |                      |      |
| EDU 324               | Field Experience Alternative                                           | 1    | C   | O   |                                |                      |      |
| EDU 325               | Teaching Elementary Math                                               | 3    | C   | O   |                                |                      |      |
| EDU 326               | Developmental Reading and Language Arts                                | 3    | C   | O   |                                |                      |      |
| EDU 333               | Literature: Birth-Adolescence                                          | 3    | C   | O   |                                |                      |      |
| EDU 335               | Teaching Elementary Language Arts                                      | 3    | C   | O   |                                |                      |      |
| EDU 336               | Teaching Physical Education K-12 (also EXSS 336)                       | 3    | C   |     |                                |                      |      |
| EDU 337               | Teaching Health K-12 (also EXSS 337)                                   | 3    | C   |     |                                |                      |      |
| EDU 338               | Teaching Art K-12                                                      | 3    | C   |     |                                |                      |      |
| EDU 339               | Teaching World Languages K-12                                          | 3    |     |     |                                |                      |      |
| EDU 352               | Teaching Mathematics PreK-3rd Grade                                    | 3    | C   | O   |                                |                      |      |
| EDU 353               | Teaching Mathematics Intermediate-Middle School                        | 3    | C   | O   |                                |                      |      |
| EDU 407               | Diagnostic Assessment Practices in Reading and Language Arts           | 3    | C   | O   |                                |                      |      |
| EDU 409               | Practicum: Elementary Reading and Language Arts                        | 3    | C   | O   |                                |                      |      |
| EDU 410               | Practicum: Secondary Reading and Language Arts                         | 3    | C   | O   |                                |                      |      |
| EDU 425               | Content Area Literacy                                                  | 3    | C   | O   |                                |                      |      |
| EDU 428               | Middle School Curriculum, Design and Strategies                        | 3    | C   | O   |                                |                      |      |
| EDU 430               | Student Teaching in the Elementary School                              | 4    | C   | O   | N/A                            | Must be taken at UIU |      |
| EDU 431               | Student Teaching in the Secondary School                               | 4    | C   | O   | N/A                            | Must be taken at UIU |      |
| EDU 434               | Student Teaching in the Elementary and Secondary Schools               | 4    | C   | O   | N/A                            | Must be taken at UIU |      |
| EDU 435               | Middle School Students' Growth, Development and Management             | 3    | C   | O   |                                |                      |      |
| EDU 439               | Introduction to Gifted Education                                       | 3    |     | O   |                                |                      |      |
| EDU 440               | Methods and Curriculum: Gifted Education PK-12                         | 3    |     | O   |                                |                      |      |
| EDU 441               | Administration and Supervision of Gifted Programs                      | 3    |     | O   |                                |                      |      |
| EDU 442               | Practicum: Gifted Programs                                             | 3    |     | O   |                                |                      |      |
| EDU 443               | Concepts of English                                                    | 3    |     | O   |                                |                      |      |
| EDU 444               | Curriculum and Methods of ESL                                          | 3    |     | O   |                                |                      |      |
| EDU 445               | Language Acquisition                                                   | 3    | C   | O   |                                |                      |      |
| EDU 446               | Practicum in ESL                                                       | 3    | C   | O   | N/A                            | Must be taken at UIU |      |
| EDU 447               | Problems in English Grammar                                            | 3    | C   | O   |                                |                      |      |
| EDU 448               | Cultural and Linguistic Diversity                                      | 3    | C   | O   |                                |                      |      |
| EDU 449               | Student Teaching ESL                                                   | 1    | C   | O   | N/A                            | Must be taken at UIU |      |
| EDU 461               | Environmental Issues Instruction                                       | 2    | C   | O   |                                |                      |      |
| EDU 485               | Advanced Instructional Issues and Methods in Reading and Language Arts | 3    | C   | O   |                                |                      |      |
| EDU 490               | Student Teaching in the Elementary School                              | 8    | C   | O   | N/A                            | Must be taken at UIU |      |

| Upper Iowa University      |                                                               |      |     |     | Northcentral Technical College |                                                |        |
|----------------------------|---------------------------------------------------------------|------|-----|-----|--------------------------------|------------------------------------------------|--------|
| Course ID                  | Course Title                                                  | # Cr | F C | O C | Course ID                      | Course Title                                   | # Cr   |
| Education                  |                                                               |      |     |     |                                |                                                |        |
| EDU 491                    | Student Teaching in the Secondary School                      | 8    | C   | O   | N/A                            | Must be taken at UIU                           |        |
| EDU 495                    | Student Teaching in the Elementary and Secondary Schools      | 8    | C   | O   | N/A                            | Must be taken at UIU                           |        |
| English                    |                                                               |      |     |     |                                |                                                |        |
| ENG 100                    | Writing Skills                                                | 3    | C   | O   |                                |                                                |        |
| ENG 101                    | English Composition I                                         | 3    | C   | O   | 10-801-136<br>or 10-801-195    | English Composition 1<br>Written Communication | 3<br>3 |
| ENG 102                    | English Composition II                                        | 3    | C   | O   | 10-801-155                     | English Composition 2                          | 3      |
| ENG 122                    | Topics in Writing Studies: Writing Center Theory and Practice | 1    | C   |     |                                |                                                |        |
| ENG 125                    | Introduction to Literature                                    | 3    | C   | O   |                                |                                                |        |
| ENG 170                    | Introduction to Creative Writing                              | 3    | C   | O   |                                |                                                |        |
| ENG 209                    | American Literature I                                         | 3    | C   | O   |                                |                                                |        |
| ENG 210                    | American Literature II                                        | 3    | C   | O   |                                |                                                |        |
| ENG 211                    | British Literature I                                          | 3    | C   | O   |                                |                                                |        |
| ENG 212                    | British Literature II                                         | 3    | C   | O   |                                |                                                |        |
| ENG 214                    | World Literature Survey                                       | 3    | C   |     |                                |                                                |        |
| ENG 216                    | Mythology                                                     | 3    | C   |     |                                |                                                |        |
| ENG 222                    | Topics in Writing Studies: Writing Center Theory and Practice | 1    | C   |     |                                |                                                |        |
| ENG 224                    | Modern Poetry                                                 | 3    |     | O   |                                |                                                |        |
| ENG 248                    | Survey of the Mystery Story                                   | 3    |     | O   |                                |                                                |        |
| ENG 265                    | African American Literature                                   | 3    | C   | O   |                                |                                                |        |
| ENG 270                    | Craft and Technique of Creative Writing                       | 3    | C   |     |                                |                                                |        |
| ENG 275                    | Television (also COMM 275)                                    | 3    | C   | O   |                                |                                                |        |
| ENG 290                    | The Movies (also COMM 290)                                    | 3    | C   | O   |                                |                                                |        |
| ENG 301                    | Writing Strategies                                            | 3    | C   |     |                                |                                                |        |
| ENG 311                    | Urban Cinema                                                  | 3    | C   | O   |                                |                                                |        |
| ENG 322                    | Topics in Writing Studies: Writing Center Theory and Practice | 1    | C   |     |                                |                                                |        |
| ENG 330                    | Shakespeare                                                   | 3    | C   | O   |                                |                                                |        |
| ENG 331                    | Modern and Contemporary Literature                            | 3    | C   |     |                                |                                                |        |
| ENG 332                    | Adolescent Literature                                         | 3    | C   |     |                                |                                                |        |
| ENG 335                    | Tolkien                                                       | 3    |     |     |                                |                                                |        |
| ENG 340                    | The Novel                                                     | 3    | C   |     |                                |                                                |        |
| ENG 342                    | Medieval Literature                                           | 3    | C   |     |                                |                                                |        |
| ENG 344                    | Restoration and 18th Century Literature                       | 3    | C   |     |                                |                                                |        |
| ENG 352                    | Best Sellers                                                  | 3    |     | O   |                                |                                                |        |
| ENG 353                    | Romantic and Victorian Poets                                  | 3    | C   |     |                                |                                                |        |
| ENG 355                    | Harlem Renaissance                                            | 3    | C   |     |                                |                                                |        |
| ENG 365                    | Women and Literature                                          | 3    | C   | O   |                                |                                                |        |
| ENG 370                    | Non-Fiction Workshop                                          | 3    | C   |     |                                |                                                |        |
| ENG 371                    | Fiction Workshop                                              | 3    | C   |     |                                |                                                |        |
| ENG 372                    | Poetry Workshop                                               | 3    | C   |     |                                |                                                |        |
| ENG 375                    | Literature of the American Midwest                            | 3    | C   | O   |                                |                                                |        |
| ENG 383                    | American Renaissance                                          | 3    | C   |     |                                |                                                |        |
| ENG 403                    | Internship                                                    | 3    | C   |     |                                |                                                |        |
| ENG 422                    | Critical Theory                                               | 3    | C   |     |                                |                                                |        |
| Exercise and Sport Studies |                                                               |      |     |     |                                |                                                |        |
| EXSS 100                   | Activity Courses                                              | 1    | C   |     |                                |                                                |        |
|                            | - Aerobics                                                    | 1    | C   |     |                                |                                                |        |
|                            | - Soccer                                                      | 1    | C   |     |                                |                                                |        |
|                            | - Walking                                                     | 1    | C   |     |                                |                                                |        |
|                            | - Water Aerobics                                              | 1    | C   |     |                                |                                                |        |
|                            | - Biking                                                      | 1    | C   |     |                                |                                                |        |
|                            | - Basketball                                                  | 1    | C   |     |                                |                                                |        |

| Upper Iowa University      |                                                             |      |     |     | Northcentral Technical College |                     |      |
|----------------------------|-------------------------------------------------------------|------|-----|-----|--------------------------------|---------------------|------|
| Course ID                  | Course Title                                                | # Cr | F C | O C | Course ID                      | Course Title        | # Cr |
| Exercise and Sport Studies |                                                             |      |     |     |                                |                     |      |
|                            | - Golf                                                      | 1    | C   |     |                                |                     |      |
|                            | - Badminton                                                 | 1    | C   |     |                                |                     |      |
|                            | - Physical Conditioning                                     | 1    | C   |     |                                |                     |      |
|                            | - Weight Training                                           | 1    | C   |     |                                |                     |      |
|                            | - Volleyball                                                | 1    | C   |     |                                |                     |      |
| EXSS 101                   | Introduction to Exercise and Sport Studies                  | 2    | C   |     |                                |                     |      |
| EXSS 102                   | First Aid/CPR/AED Programs                                  | 1    | C   |     |                                |                     |      |
| EXSS 105                   | Aquatics                                                    | 3    | C   |     |                                |                     |      |
| EXSS 111                   | Officiating Sports                                          | 2    | C   |     |                                |                     |      |
| EXSS 118                   | Gymnastics and Dance Activities                             | 2    | C   |     |                                |                     |      |
| EXSS 125                   | Recreational Sport Programming and Leadership               | 3    | C   |     |                                |                     |      |
| EXSS 130                   | Teaching Team and Individual Sports                         | 2    | C   |     |                                |                     |      |
| EXSS 170                   | Medical Terminology                                         | 3    | C   | O   | 10-501-101                     | Medical Terminology | 3    |
| EXSS 182                   | Water Safety Instructor                                     | 3    | C   |     |                                |                     |      |
| EXSS 183                   | Lifeguarding/Lifeguarding Instructor                        | 3    | C   |     |                                |                     |      |
| EXSS 219                   | Sport Ethics                                                | 3    | C   |     |                                |                     |      |
| EXSS 226                   | Foundations of Physical Fitness                             | 2    | C   |     |                                |                     |      |
| EXSS 240                   | Adapted Physical Education                                  | 2    | C   |     |                                |                     |      |
| EXSS 243                   | Ethics and Coaching Theory                                  | 3    | C   |     |                                |                     |      |
| EXSS 280                   | Personal, School and Community Health                       | 3    | C   |     |                                |                     |      |
| EXSS 283                   | Sports Nutrition                                            | 3    | C   |     |                                |                     |      |
| EXSS 290                   | Introduction to Personal Training                           | 3    | C   |     |                                |                     |      |
| EXSS 302                   | Exercise Physiology                                         | 3    | C   |     |                                |                     |      |
| EXSS 305                   | Kinesiology                                                 | 3    | C   |     |                                |                     |      |
| EXSS 318                   | Psychology of Exercise & Sport                              | 3    | C   |     |                                |                     |      |
| EXSS 334                   | Sport Law and Legal Issues                                  | 3    | C   |     |                                |                     |      |
| EXSS 336                   | Teaching Physical Education K-12 (also EDU 336)             | 3    | C   |     |                                |                     |      |
| EXSS 337                   | Teaching Health K-12 (also EDU 337)                         | 3    | C   |     |                                |                     |      |
| EXSS 346                   | Diversity in Sport Organizations                            | 3    | C   |     |                                |                     |      |
| EXSS 354                   | Methods of Strength and Conditioning                        | 3    | C   |     |                                |                     |      |
| EXSS 360                   | Motor Learning                                              | 3    | C   |     |                                |                     |      |
| EXSS 403                   | Internship in EXSS                                          | 3-6  | C   |     |                                |                     |      |
| EXSS 430                   | Research Methods in Exercise and Sport Studies              | 3    | C   |     |                                |                     |      |
| Financial                  |                                                             |      |     |     |                                |                     |      |
| FIN 288                    | Personal Financial Management                               | 3    | C   | O   |                                |                     |      |
| FIN 310                    | Money and Capital Markets (also ECON 310)                   | 3    | C   | O   |                                |                     |      |
| FIN 341                    | Corporate Financial Management                              | 3    | C   | O   |                                |                     |      |
| FIN 343                    | Investments                                                 | 3    | C   | O   |                                |                     |      |
| FIN 442                    | Intermediate Financial Management                           | 3    | C   | O   |                                |                     |      |
| FIN 444                    | New Venture Finance                                         | 3    |     | O   |                                |                     |      |
| FIN 446                    | Bank Management                                             | 3    |     | O   |                                |                     |      |
| FIN 448                    | Options, Futures and Derivatives                            | 3    |     | O   |                                |                     |      |
| Geography                  |                                                             |      |     |     |                                |                     |      |
| GEOG 100                   | Introduction to Physical Geography                          | 3    | C   | O   |                                |                     |      |
| GEOG 200                   | World Regional Geography                                    | 3    | C   | O   |                                |                     |      |
| GEOG 311                   | Cartography                                                 | 3    | C   |     |                                |                     |      |
| GEOG 356                   | Introduction to Geographic Information Systems              | 3    | C   | O   |                                |                     |      |
| GEOG 386                   | GIS Applications                                            | 3    | C   |     |                                |                     |      |
| GEOG 426                   | Principles of Remote Sensing                                | 3    | C   |     |                                |                     |      |
| GEOG 456                   | Geographic Information Systems Automation and Customization | 3    | C   |     |                                |                     |      |

| Upper Iowa University                 |                                                          |      |     |     | Northcentral Technical College |                                              |      |
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| Course ID                             | Course Title                                             | # Cr | F C | O C | Course ID                      | Course Title                                 | # Cr |
| <b>Graphic Design</b>                 |                                                          |      |     |     |                                |                                              |      |
| GRAF 112                              | Introduction to Graphic Design                           | 3    | C   | O   |                                |                                              |      |
| GRAF 218                              | Digital Photography and Editing                          | 3    | C   | O   | 10-204-135                     | Digital Photography                          | 3    |
| GRAF 235                              | Advertising Design                                       | 3    | C   | O   |                                |                                              |      |
| GRAF 280                              | Web Publishing and Social Media                          | 3    | C   | O   |                                |                                              |      |
| GRAF 319                              | Digital Video and Editing                                | 3    | C   | O   |                                |                                              |      |
| GRAF 332                              | Digital Imaging                                          | 3    | C   | O   |                                |                                              |      |
| GRAF 334                              | History of Graphic Design                                | 3    | C   | O   |                                |                                              |      |
| GRAF 335                              | Publication Design                                       | 3    | C   | O   |                                |                                              |      |
| GRAF 355                              | Typography                                               | 3    | C   | O   |                                |                                              |      |
| GRAF 403                              | Internship                                               | 3    | C   | O   |                                |                                              |      |
| GRAF 432                              | Digital Illustration                                     | 3    | C   | O   |                                |                                              |      |
| GRAF 442                              | Digital Animation                                        | 3    | C   |     |                                |                                              |      |
| GRAF 480                              | Senior Portfolio/Graphic Design                          | 3    | C   | O   | N/A                            | Must be taken at UIU                         |      |
| <b>Health Services Administration</b> |                                                          |      |     |     |                                |                                              |      |
| HSA 205                               | Introduction to the American Health System               | 3    |     | O   | 10-160-131                     | Administration & Organization of Health Care | 3    |
| HSA 240                               | Interdisciplinary Service Learning                       | 3    |     | O   |                                |                                              |      |
| HSA 241                               | Healthcare Informatics                                   | 3    |     | O   |                                |                                              |      |
| HSA 306                               | Long-Term Care Administration                            | 3    |     | O   | 10-160-122                     | Long-Term Care/Medicare/Medicaid             | 2    |
| HSA 312                               | Community and Public Health                              | 3    |     | O   |                                |                                              |      |
| HSA 330                               | Teaching Methodology                                     | 3    |     | O   |                                |                                              |      |
| HSA 344                               | Population Health Management                             | 3    |     | O   |                                |                                              |      |
| HSA 360                               | Health Care Law and Ethics                               | 3    |     | O   |                                |                                              |      |
| HSA 362                               | Financial Management of Health Services Organizations    | 3    |     | O   |                                |                                              |      |
| HSA 440                               | Health Services Administration                           | 3    |     | O   |                                |                                              |      |
| HSA 460                               | Health Services Policy and Regulation                    | 3    |     | O   |                                |                                              |      |
| HSA 475                               | Teaching Methodology Practicum                           | 3    |     | O   |                                |                                              |      |
| HSA 490                               | Health Program Planning and Evaluation                   | 3    |     | O   |                                |                                              |      |
| <b>History</b>                        |                                                          |      |     |     |                                |                                              |      |
| HIST 100                              | World History to 1500                                    | 3    | C   | O   |                                |                                              |      |
| HIST 101                              | World History Since 1500                                 | 3    | C   | O   |                                |                                              |      |
| HIST 110                              | American History to 1877                                 | 3    | C   | O   |                                |                                              |      |
| HIST 111                              | American History Since 1877                              | 3    | C   | O   |                                |                                              |      |
| HIST 214                              | World at War, 1914-1945                                  | 3    | C   |     |                                |                                              |      |
| HIST 220                              | History of Wisconsin                                     | 3    |     | O   |                                |                                              |      |
| HIST 222                              | History of Iowa                                          | 3    |     | O   |                                |                                              |      |
| HIST 240                              | Your Community as Part of U.S. History                   | 3    |     | O   |                                |                                              |      |
| HIST 245                              | Global Women's Activism                                  | 3    |     | O   |                                |                                              |      |
| HIST 270                              | Historical Methods and Historiography                    | 3    | C   |     |                                |                                              |      |
| HIST 281                              | Western Economic History: 1600-Present (also ECON 281)   | 3    | C   | O   |                                |                                              |      |
| HIST 302                              | Modern East Asia                                         | 3    | C   | O   |                                |                                              |      |
| HIST 330                              | African American History                                 | 3    | C   | O   |                                |                                              |      |
| HIST 342                              | The Development of American Foreign Policy (also PS 342) | 3    | C   | O   |                                |                                              |      |
| HIST 343                              | U.S. Women's History                                     | 3    | C   | O   |                                |                                              |      |
| HIST 355                              | Modern World History                                     | 3    | C   | O   |                                |                                              |      |
| HIST 367                              | Atlantic Revolutions                                     | 3    | C   |     |                                |                                              |      |
| HIST 371                              | New Nation, 1787-1848                                    | 3    | C   |     |                                |                                              |      |
| HIST 372                              | Civil War and Reconstruction, 1848-1877                  | 3    | C   | O   |                                |                                              |      |
| HIST 373                              | Industrialization and Reform, 1877-1914                  | 3    | C   |     |                                |                                              |      |
| HIST 374                              | Modern America, 1945-Present                             | 3    | C   |     |                                |                                              |      |
| HIST 496                              | Senior Thesis                                            | 3    | C   |     | N/A                            | Must be taken at UIU                         |      |

| Upper Iowa University  |                                                     |      |     |     | Northcentral Technical College |                                    |      |
|------------------------|-----------------------------------------------------|------|-----|-----|--------------------------------|------------------------------------|------|
| Course ID              | Course Title                                        | # Cr | F C | O C | Course ID                      | Course Title                       | # Cr |
| Information Systems    |                                                     |      |     |     |                                |                                    |      |
| IS 310                 | Systems Analysis and Design                         | 3    | C   | O   |                                |                                    |      |
| IS 320                 | Enterprise Architecture                             | 3    | C   | O   |                                |                                    |      |
| IS 348                 | Business Process Management                         | 3    | C   | O   |                                |                                    |      |
| IS 360                 | IT Security and Risk Management                     | 3    | C   | O   |                                |                                    |      |
| IS 370                 | IT Audit and Controls                               | 3    | C   | O   |                                |                                    |      |
| IS 410                 | IS Strategy, Management, and Acquisition            | 3    | C   | O   |                                |                                    |      |
| IS 420                 | Enterprise Systems and Integration                  | 3    | C   | O   |                                |                                    |      |
| IS 436                 | ITIL System Administration I                        | 3    | C   | O   |                                |                                    |      |
| IS 437                 | ITIL System Administration II                       | 3    | C   | O   |                                |                                    |      |
| IS 480                 | IS Senior Capstone                                  | 1    | C   | O   | N/A                            | Must be taken at UIU               |      |
| IS 481                 | IS Senior Capstone II                               | 2    | C   | O   | N/A                            | Must be taken at UIU               |      |
| Information Technology |                                                     |      |     |     |                                |                                    |      |
| IT 311                 | Networking                                          | 4    | C   | O   | 10-150-186                     | CISCO 2 - Network Communications 2 | 3    |
| IT 320                 | Web Systems and System Integration                  | 4    | C   | O   | 10-152-392                     | Software Architecture              | 3    |
| IT 348                 | Advanced Networks                                   | 3    | C   | O   |                                |                                    |      |
| IT 360                 | Computer Forensics and Incident Response            | 3    | C   | O   |                                |                                    |      |
| IT 370                 | Network Management                                  | 3    | C   | O   |                                |                                    |      |
| IT 390                 | Programing for the WWW                              | 3    | C   | O   |                                |                                    |      |
| IT 391                 | e-Commerce Technology                               | 3    | C   | O   |                                |                                    |      |
| IT 410                 | Information and System Security                     | 3    | C   | O   |                                |                                    |      |
| IT 420                 | System Security and Risks                           | 3    | C   | O   |                                |                                    |      |
| Liberal Arts           |                                                     |      |     |     |                                |                                    |      |
| LA 298                 | Associate of Arts Capstone                          | 1    | C   | O   | N/A                            | Must be taken at UIU               |      |
| LA 498                 | Liberal Arts Capstone                               | 1    | C   | O   | N/A                            | Must be taken at UIU               |      |
| Marketing              |                                                     |      |     |     |                                |                                    |      |
| MKT 208                | Marketing Principles                                | 3    | C   | O   | 10-104-172                     | Marketing Principles               | 3    |
| MKT 315                | Sales Management                                    | 3    | C   | O   |                                |                                    |      |
| MKT 337                | Personal Selling                                    | 3    | C   | O   | 10-104-154                     | Principles of Sales                | 3    |
| MKT 358                | Consumer Behavior                                   | 3    | C   | O   |                                |                                    |      |
| MKT 363                | Advertising and Integrated Marketing Communications | 3    | C   | O   | 10-104-126                     | Promotions                         | 3    |
| MKT 403                | Internship                                          | 3    |     | O   |                                |                                    |      |
| MKT 414                | New Product Development                             | 3    |     | O   |                                |                                    |      |
| MKT 424                | Global Marketing                                    | 3    | C   | O   |                                |                                    |      |
| MKT 451                | Marketing Research                                  | 3    | C   | O   |                                |                                    |      |
| MKT 459                | Contemporary Topics in Marketing                    | 3    |     | O   |                                |                                    |      |
| MKT 479                | Branding                                            | 3    |     | O   |                                |                                    |      |
| MKT 489                | Social Media Marketing                              | 3    |     | O   |                                |                                    |      |
| Mathematics            |                                                     |      |     |     |                                |                                    |      |
| MATH 100               | Critical Reasoning and Quantitative Problem Solving | 1    | C   |     |                                |                                    |      |
| MATH 105               | College Mathematics with Applications               | 3    | C   | O   |                                |                                    |      |
| MATH 107               | College Algebra                                     | 3    | C   | O   | 10-804-195                     | College Algebra w/Apps             | 3    |
| MATH 109               | Quantitative Methods                                | 3    | C   | O   |                                |                                    |      |
| MATH 115               | Trigonometry and Analytic Geometry                  | 3    | C   | O   | 10-804-196                     | Trigonometry w/Apps                | 3    |
| MATH 120               | Calculus I                                          | 3    | C   |     | 10-804-198                     | Calculus I                         | 4    |
| MATH 200               | Calculus II                                         | 3    | C   |     |                                |                                    |      |
| MATH 206               | Rational Problem Solving with Real Systems          | 3    | C   |     |                                |                                    |      |
| MATH 210               | Calculus Series and Analysis                        | 3    | C   |     |                                |                                    |      |
| MATH 215               | Multivariable Calculus                              | 3    | C   |     |                                |                                    |      |
| MATH 220               | Elementary Statistics                               | 3    | C   | O   | 10-804-189                     | Introductory Statistics            | 3    |
| MATH 300               | Differential Equations                              | 3    | C   |     |                                |                                    |      |

| Upper Iowa University           |                                                                    |      |     |     | Northcentral Technical College |                               |      |
|---------------------------------|--------------------------------------------------------------------|------|-----|-----|--------------------------------|-------------------------------|------|
| Course ID                       | Course Title                                                       | # Cr | F C | O C | Course ID                      | Course Title                  | # Cr |
| <b>Mathematics</b>              |                                                                    |      |     |     |                                |                               |      |
| MATH 301                        | Linear Algebra                                                     | 3    | C   |     |                                |                               |      |
| MATH 302                        | Mathematical Statistics I                                          | 3    | C   |     |                                |                               |      |
| MATH 303                        | Mathematical Statistics II                                         | 3    | C   |     |                                |                               |      |
| MATH 305                        | Discrete Mathematics                                               | 3    | C   |     |                                |                               |      |
| MATH 310                        | Introduction to Advanced Mathematics                               | 3    | C   |     |                                |                               |      |
| MATH 333                        | Concepts of Geometry                                               | 3    | C   |     |                                |                               |      |
| MATH 340                        | Introduction to Real Analysis                                      | 3    | C   |     |                                |                               |      |
| MATH 342                        | Numerical Analysis                                                 | 3    | C   |     |                                |                               |      |
| MATH 382                        | Actuarial Science P Exam Preparation                               | 1    | C   |     |                                |                               |      |
| MATH 391                        | Financial Mathematics I                                            | 3    | C   |     |                                |                               |      |
| MATH 392                        | Financial Mathematics II and FM Exam Preparation                   | 3    | C   |     |                                |                               |      |
| MATH 402                        | Introduction to Modern Algebra                                     | 3    | C   |     |                                |                               |      |
| MATH 403                        | Internship                                                         | 3    | C   |     |                                |                               |      |
| MATH 451                        | Seminar                                                            | 1    | C   |     | N/A                            | Must be taken at UIU          |      |
| <b>Music</b>                    |                                                                    |      |     |     |                                |                               |      |
| MUS 100                         | Introduction to Music                                              | 3    | C   |     |                                |                               |      |
| MUS 121/122                     | Concert Choir                                                      | 1    | C   |     |                                |                               |      |
| MUS 200                         | American Jazz Styles                                               | 3    |     | O   |                                |                               |      |
| MUS 202                         | American Popular Music                                             | 3    |     | O   |                                |                               |      |
| <b>Nursing</b>                  |                                                                    |      |     |     |                                |                               |      |
| NUR 170                         | Medical Terminology (also EXSS 170)                                | 3    |     | O   |                                |                               |      |
| NUR 301                         | Logic and Reasoning in Nursing                                     | 3    |     | O   |                                |                               |      |
| NUR 305                         | Professional Communication for Nurses                              | 3    |     | O   |                                |                               |      |
| NUR 315                         | Professional Nursing Practice                                      | 3    |     | O   |                                |                               |      |
| NUR 325                         | Integrated Concepts of Nursing Care I                              | 4    |     | O   |                                |                               |      |
| NUR 331                         | Complementary and Alternative Health Care                          | 1    |     | O   |                                |                               |      |
| NUR 335                         | Integrated Concepts of Nursing Care II                             | 4    |     | O   |                                |                               |      |
| NUR 340                         | Community Health Nursing                                           | 4    |     | O   |                                |                               |      |
| NUR 352                         | Exploring Transcultural Nursing                                    | 4    |     | O   |                                |                               |      |
| NUR 400                         | Evidence Based Practice in Nursing                                 | 3    |     | O   |                                |                               |      |
| NUR 420                         | Nursing Leadership and Management                                  | 3    |     | O   |                                |                               |      |
| NUR 430                         | History of Nursing                                                 | 2    |     | O   |                                |                               |      |
| NUR 432                         | Honoring Self-Care: Balancing Mind, Body, and Spirit               | 2    |     | O   |                                |                               |      |
| NUR 434                         | Introduction to Global Health                                      | 2    |     | O   |                                |                               |      |
| NUR 436                         | Understanding Nursing Theory                                       | 3    |     | O   |                                |                               |      |
| NUR 438                         | Our Image: The Image of Nursing                                    | 2    |     | O   |                                |                               |      |
| NUR 440                         | Service Learning                                                   | 1-3  |     | O   |                                |                               |      |
| NUR 442                         | Understanding Healthcare Policy                                    | 2    |     | O   |                                |                               |      |
| NUR 446                         | Principles of Fiscal Resource Management                           | 3    |     | O   |                                |                               |      |
| NUR 450                         | Nursing Concepts Capstone I                                        | 2    |     | O   | N/A                            | Must be taken at UIU          |      |
| NUR 455                         | Nursing Concepts Capstone II                                       | 2    |     | O   | N/A                            | Must be taken at UIU          |      |
| <b>Philosophy</b>               |                                                                    |      |     |     |                                |                               |      |
| PHIL 150                        | Introduction to Philosophy                                         | 3    | C   | O   |                                |                               |      |
| PHIL 202                        | Contemporary Ethics                                                | 3    | C   | O   | 10-809-166                     | Intro to Ethics: Theory & App | 3    |
| <b>Physical Science/Physics</b> |                                                                    |      |     |     |                                |                               |      |
| PHY 105                         | Conceptual Physics                                                 | 3    | C   | O   |                                |                               |      |
| PHY 109                         | Introduction to Astronomy Laboratory                               | 1    | C   |     |                                |                               |      |
| PHY 110                         | Introduction to Astronomy                                          | 3    | C   | O   |                                |                               |      |
| PHY 111                         | Introductory Physics I                                             | 3    | C   |     | 10-806-143                     | College Physics 1             | 3    |
| PHY 111 & PHY 112               | Introductory Physics I (3) & Introductory Physics Laboratory I (1) | 4    |     |     | 10-806-154                     | General Physics 1             | 4    |

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|--------------------------|---------------------------------------------------------------|------|-----|-----|--------------------------------|--------------------------------|------|
| Course ID                | Course Title                                                  | # Cr | F C | O C | Course ID                      | Course Title                   | # Cr |
| Physical Science/Physics |                                                               |      |     |     |                                |                                |      |
| PHY 112                  | Introductory Physics Laboratory I                             | 1    | C   |     |                                |                                |      |
| PHY 113                  | Introductory Physics II                                       | 3    | C   |     | 10-806-144                     | College Physics 2              | 3    |
| PHY 114                  | Introductory Physics Laboratory II                            | 1    | C   |     |                                |                                |      |
| Political Science        |                                                               |      |     |     |                                |                                |      |
| PS 100                   | U.S. Government                                               | 3    | C   | O   |                                |                                |      |
| PS 211                   | International Relations                                       | 3    | C   | O   |                                |                                |      |
| PS 212                   | Comparative Politics                                          | 3    | C   |     |                                |                                |      |
| PS 222                   | Introduction to Political Society                             | 3    | C   | O   |                                |                                |      |
| PS 230                   | State and Local Government                                    | 3    | C   | O   |                                |                                |      |
| PS 298                   | Pre-Law Portfolio                                             | 1    |     |     |                                |                                |      |
| PS 342                   | The Development of American Foreign Policy (also HIST 342)    | 3    | C   | O   |                                |                                |      |
| PS 362                   | The Legislative Process                                       | 3    | C   | O   |                                |                                |      |
| PS 368                   | Political Parties and Interest Groups                         | 3    | C   | O   |                                |                                |      |
| PS 380                   | Congress and the Presidency                                   | 3    | C   | O   |                                |                                |      |
| PS 403                   | Internship                                                    | 3    | C   |     |                                |                                |      |
| PS 411                   | American Constitutional Law I                                 | 3    | C   | O   |                                |                                |      |
| PS 412                   | American Constitutional Law II                                | 3    | C   | O   |                                |                                |      |
| Psychology               |                                                               |      |     |     |                                |                                |      |
| PSY 190                  | General Psychology                                            | 3    | C   | O   | 10-809-198                     | Intro to Psychology            | 3    |
| PSY 201                  | Adjustment                                                    | 3    | C   | O   |                                |                                |      |
| PSY 212                  | Developmental Psychology: Birth to Adolescence                | 3    | C   | O   |                                |                                |      |
| PSY 221                  | Introduction to Human Services                                | 3    | C   | O   | 10-520-101                     | Introduction to Human Services | 3    |
| PSY 222                  | Developmental Psychology: Young Adulthood to Late Adulthood   | 3    | C   | O   |                                |                                |      |
| PSY 232                  | Group Dynamics (also SOC 232)                                 | 3    | C   | O   | 10-520-140                     | Group Counseling Methods       | 3    |
| PSY 240                  | Conflict Resolution                                           | 3    | C   | O   |                                |                                |      |
| PSY 260                  | Gender Roles (also SOC 260)                                   | 3    | C   | O   |                                |                                |      |
| PSY 270                  | Human Sexuality                                               | 3    | C   | O   | 10-520-106                     | Human Sexuality                | 3    |
| PSY 302                  | Substance Abuse                                               | 3    | C   | O   | 10-550-110                     | Understanding Addiction        | 3    |
| PSY 310                  | Social Psychology (also SOC 310)                              | 3    | C   | O   |                                |                                |      |
| PSY 311                  | Psychology of Women                                           | 3    | C   | O   |                                |                                |      |
| PSY 321                  | Death and Dying                                               | 3    | C   | O   |                                |                                |      |
| PSY 323                  | Cognition                                                     | 3    | C   | O   |                                |                                |      |
| PSY 328                  | Reframing and Managing Stress in the 21st Century             | 3    | C   | O   |                                |                                |      |
| PSY 332                  | Personality                                                   | 3    | C   | O   |                                |                                |      |
| PSY 335                  | Biological Psychology                                         | 3    | C   | O   |                                |                                |      |
| PSY 338                  | Motivation                                                    | 3    | C   | O   |                                |                                |      |
| PSY 340                  | Industrial Psychology                                         | 3    | C   | O   |                                |                                |      |
| PSY 355                  | Skills and Strategies in the Helping Professions              | 3    | C   | O   |                                |                                |      |
| PSY 360                  | Abnormal Psychology                                           | 3    | C   | O   |                                |                                |      |
| PSY 373                  | Research Methods                                              | 3    | C   | O   |                                |                                |      |
| PSY 375                  | Methods in Human Services I (also SOC 375)                    | 3    | C   | O   |                                |                                |      |
| PSY 377                  | Methods in Human Services II (also SOC 377)                   | 3    | C   | O   |                                |                                |      |
| PSY 383                  | Human Behavior in the Social Environment (also SOC 383)       | 3    | C   | O   |                                |                                |      |
| PSY 391                  | Social Work Practice I: Individuals                           | 3    |     | O   |                                |                                |      |
| PSY 392                  | Social Work Practice II: Families and Groups                  | 3    |     | O   |                                |                                |      |
| PSY 393                  | Social Work Practice III: Communities and Social Institutions | 3    |     | O   |                                |                                |      |

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|------------------------------|---------------------------------------------------------|------|-----|-----|--------------------------------|-----------------------------------|------|
| Course ID                    | Course Title                                            | # Cr | F C | O C | Course ID                      | Course Title                      | # Cr |
| <b>Psychology</b>            |                                                         |      |     |     |                                |                                   |      |
| PSY 394                      | Psychology of Aging                                     | 3    | C   | O   |                                |                                   |      |
| PSY 397                      | Social Gerontology                                      | 3    | C   | O   | 10-520-150                     | Introduction to Gerontology       | 3    |
| PSY 403                      | Internship                                              | 3    | C   | O   |                                |                                   |      |
| PSY 409                      | Psychology of Disaster                                  | 3    | C   | O   |                                |                                   |      |
| PSY 444                      | Assessment                                              | 3    | C   | O   |                                |                                   |      |
| PSY 445                      | Learning and Memory                                     | 3    | C   | O   |                                |                                   |      |
| PSY 454                      | Issues and Ethics in the Helping Professions            | 3    | C   | O   |                                |                                   |      |
| PSY 498                      | Senior Project                                          | 3    | C   | O   | N/A                            | Must be taken at UIU              |      |
| <b>Public Administration</b> |                                                         |      |     |     |                                |                                   |      |
| PA 305                       | Grant Writing                                           | 3    |     | O   |                                |                                   |      |
| PA 306                       | Principles of Emergency Management                      | 3    |     | O   |                                |                                   |      |
| PA 320                       | Political and Policy Basis of Emergency Management      | 3    |     | O   |                                |                                   |      |
| PA 332                       | Emergency Preparedness and Planning                     | 3    |     | O   |                                |                                   |      |
| PA 346                       | Disaster Response and Recovery                          | 3    |     | O   |                                |                                   |      |
| PA 364                       | Public Administration                                   | 3    |     | O   |                                |                                   |      |
| PA 371                       | Urban Management                                        | 3    |     | O   |                                |                                   |      |
| PA 403                       | Internship                                              | 3    |     | O   |                                |                                   |      |
| PA 404                       | Integrated Emergency Management                         | 3    |     | O   |                                |                                   |      |
| PA 414                       | Principles and Practice of Hazards Mitigation           | 3    |     | O   |                                |                                   |      |
| PA 430                       | Cases in Public Administration                          | 3    |     | O   |                                |                                   |      |
| PA 440                       | Public Budgeting Process                                | 3    |     | O   |                                |                                   |      |
| PA 445                       | Administrative Law                                      | 3    |     | O   |                                |                                   |      |
| PA 498                       | Senior Project                                          | 3    |     | O   | N/A                            | Must be taken at UIU              |      |
| <b>Religion</b>              |                                                         |      |     |     |                                |                                   |      |
| REL 120                      | Introduction to World Religions                         | 3    | C   | O   |                                |                                   |      |
| REL 125                      | Introduction to the Old Testament                       | 3    | C   | O   |                                |                                   |      |
| REL 126                      | Introduction to the New Testament                       | 3    | C   | O   |                                |                                   |      |
| REL 205                      | Religions of Asia                                       | 3    |     | O   |                                |                                   |      |
| <b>Sociology</b>             |                                                         |      |     |     |                                |                                   |      |
| SOC 110                      | Principles of Sociology                                 | 3    | C   | O   | 10-809-196                     | Intro to Sociology                | 3    |
| SOC 220                      | Social Problems                                         | 3    | C   | O   |                                |                                   |      |
| SOC 232                      | Group Dynamics (also PSY 232)                           | 3    | C   | O   | 10-520-140                     | Group Counseling Methods          | 3    |
| SOC 240                      | Diversity in the United States                          | 3    | C   | O   | 10-809-172                     | Introduction to Diversity Studies | 3    |
| SOC 260                      | Gender Roles (also PSY 260)                             | 3    | C   | O   |                                |                                   |      |
| SOC 304                      | Globalization                                           | 3    | C   | O   |                                |                                   |      |
| SOC 310                      | Social Psychology (also PSY 310)                        | 3    | C   | O   |                                |                                   |      |
| SOC 334                      | Introduction to Sociological Research Methods           | 3    | C   | O   |                                |                                   |      |
| SOC 347                      | Deviance and Social Control                             | 3    | C   | O   |                                |                                   |      |
| SOC 351                      | Sociology of 9/11 and the War on Terror                 | 3    | C   | O   |                                |                                   |      |
| SOC 361                      | Marriage and the Family                                 | 3    | C   | O   | 10-809-128                     | Marriage & Family                 | 3    |
| SOC 363                      | Social Stratification                                   | 3    | C   | O   |                                |                                   |      |
| SOC 375                      | Methods in Human Services I (also PSY 375)              | 3    | C   | O   |                                |                                   |      |
| SOC 377                      | Methods in Human Services II (also PSY 377)             | 3    |     | O   |                                |                                   |      |
| SOC 381                      | Political Sociology                                     | 3    | C   | O   |                                |                                   |      |
| SOC 383                      | Human Behavior in the Social Environment (also PSY 383) | 3    |     | O   |                                |                                   |      |
| SOC 384                      | Social Welfare Programs and Policies                    | 3    | C   | O   |                                |                                   |      |
| SOC 392                      | Sociological Theory                                     | 3    | C   |     |                                |                                   |      |
| SOC 403                      | Internship                                              | 3    | C   | O   |                                |                                   |      |
| SOC 418                      | Applied Research Methods                                | 3    | C   | O   |                                |                                   |      |

| Upper Iowa University                 |                                                              |                          |       |      | Northcentral Technical College |                               |      |
|---------------------------------------|--------------------------------------------------------------|--------------------------|-------|------|--------------------------------|-------------------------------|------|
| Course ID                             | Course Title                                                 | # Cr                     | F C O |      | Course ID                      | Course Title                  | # Cr |
| Sociology                             |                                                              |                          |       |      |                                |                               |      |
| SOC 491                               | Sociology Minor Portfolio                                    | 1                        | C O   |      | N/A                            | Must be taken at UIU          |      |
| SOC 498                               | Senior Project                                               | 3                        | C O   |      | N/A                            | Must be taken at UIU          |      |
| Software Engineering                  |                                                              |                          |       |      |                                |                               |      |
| SE 200                                | Advanced Computer Programing                                 | 4                        | C O   |      | 10-152-501                     | Programming Concepts A        | 1    |
|                                       |                                                              |                          |       |      | AND 10-152-502                 | Programming Concepts B        | 1    |
|                                       |                                                              |                          |       |      | AND 10-152-503                 | Programming Concepts C        | 1    |
|                                       |                                                              |                          |       |      | AND 10-152-504                 | Object-Oriented Programming A | 1    |
|                                       |                                                              |                          |       | ~~~~ | ~~~~                           | ~~~~                          | ~~   |
|                                       |                                                              |                          |       |      | 10-152-505                     | Object-Oriented Programming B | 1    |
|                                       |                                                              |                          |       |      | AND 10-152-506                 | Object-Oriented Programming C | 1    |
|                                       |                                                              |                          |       |      | AND 10-152-507                 | Object-Oriented Design A      | 1    |
|                                       |                                                              |                          |       |      | AND 10-152-508                 | Object-Oriented Design B      | 1    |
|                                       |                                                              |                          |       |      | ~~~~                           | ~~~~                          | ~~~~ |
|                                       | or 10-152-509                                                | Object-Oriented Design C | 1     |      |                                |                               |      |
| Student must complete pre-requisites. |                                                              |                          |       |      |                                |                               |      |
| SE 256                                | Game Design and Programing                                   | 4                        | C     |      |                                |                               |      |
| SE 300                                | Data Structures and Algorithms                               | 4                        | C O   |      |                                |                               |      |
| SE 310                                | Software Application and Interface Design                    | 4                        | C O   |      |                                |                               |      |
| SE 348                                | Informatics and Knowledge Engineering                        | 3                        | C O   |      |                                |                               |      |
| SE 360                                | Visualization and Graphics                                   | 3                        | C O   |      |                                |                               |      |
| SE 370                                | Big Data Processing, Warehousing, Data Mining                | 3                        | C O   |      |                                |                               |      |
| SE 410                                | Software Testing, Validation and Verification                | 3                        | C O   |      |                                |                               |      |
| SE 420                                | Applications of Visualization Techniques                     | 3                        | C O   |      |                                |                               |      |
| Spanish                               |                                                              |                          |       |      |                                |                               |      |
| SPN 101                               | Beginning Spanish I                                          | 3                        | C O   |      |                                |                               |      |
| SPN 102                               | Beginning Spanish II                                         | 3                        | C O   |      |                                |                               |      |
| SPN 125                               | Introduction to Hispanic Culture & Society                   | 3                        | C O   |      |                                |                               |      |
| SPN 201                               | Intermediate Spanish I                                       | 3                        | C     |      |                                |                               |      |
| SPN 202                               | Intermediate Spanish II                                      | 3                        | C     |      |                                |                               |      |
| SPN 301                               | Advanced Spanish I                                           | 3                        | C     |      |                                |                               |      |
| SPN 302                               | Advanced Spanish II                                          | 3                        | C     |      |                                |                               |      |
| SPN 306                               | Culture and Society of Spain                                 | 3                        | C O   |      |                                |                               |      |
| SPN 320                               | Introduction to Modern Hispanic Literature                   | 3                        | C     |      |                                |                               |      |
| SPN 401                               | Professional Spanish                                         | 3                        | C     |      |                                |                               |      |
| Special Education                     |                                                              |                          |       |      |                                |                               |      |
| SPED 304                              | Exceptional Persons                                          | 3                        | C O   |      | 10-809-138                     | Exceptional Person            | 3    |
| SPED 434                              | Student Teaching Prekindergarten Including Special Education | 4                        | C O   |      | N/A                            | Must be taken at UIU          |      |
| SPED 459                              | Home, School and Community Relations                         | 3                        | C O   |      |                                |                               |      |
| SPED 462                              | Individual Behavior and Classroom Management                 | 3                        | C O   |      |                                |                               |      |
| SPED 465                              | Methods/Curriculum: Behavior Disorders Prek-12               | 3                        | C O   |      |                                |                               |      |
| SPED 467                              | Fundamentals of Special Education                            | 3                        | C O   |      |                                |                               |      |
| SPED 468                              | Coordination of Occupational Programs                        | 3                        |       | O    |                                |                               |      |
| SPED 469                              | Methods/Curriculum: Learning Disabilities K-12               | 3                        |       | O    |                                |                               |      |
| SPED 473                              | Methods/Curriculum: Intellectual Disabilities                | 3                        |       | O    |                                |                               |      |
| SPED 475                              | Methods/Curriculum: Mild/Moderate Disabilities 5-12          | 3                        |       | O    |                                |                               |      |

| Upper Iowa University                                           |                                                                  |      |     |            | Northcentral Technical College |                      |      |
|-----------------------------------------------------------------|------------------------------------------------------------------|------|-----|------------|--------------------------------|----------------------|------|
| Course ID                                                       | Course Title                                                     | # Cr | F C | O C        | Course ID                      | Course Title         | # Cr |
| <b>Special Education</b>                                        |                                                                  |      |     |            |                                |                      |      |
| SPED 477                                                        | Career and Vocational Programming                                | 3    |     | O          |                                |                      |      |
| SPED 478                                                        | Methods/Curriculum: Mild/Moderate Disabilities Prekindergarten-8 | 3    | C   | O          |                                |                      |      |
| SPED 479                                                        | Student Teaching Instructional Strategist                        | 4    | C   | O          | N/A                            | Must be taken at UIU |      |
| SPED 480                                                        | Student Teaching Instructional Strategist Elementary/Secondary   | 4    | C   | O          | N/A                            | Must be taken at UIU |      |
| SPED 482                                                        | Student Teaching Instructional Strategist                        | 8    | C   | O          | N/A                            | Must be taken at UIU |      |
| SPED 483                                                        | Student Teaching Instructional Strategist Elementary/Secondary   | 8    | C   | O          | N/A                            | Must be taken at UIU |      |
| SPED 484                                                        | Student Teaching Prekindergarten Inc. Special Education          | 8    | C   | O          | N/A                            | Must be taken at UIU |      |
| <b>Sport Administration</b>                                     |                                                                  |      |     |            |                                |                      |      |
| SA 348                                                          | Sports Administration                                            | 3    |     |            |                                |                      |      |
| SA 355                                                          | Administration of Intercollegiate Athletics                      | 3    |     |            |                                |                      |      |
| SA 363                                                          | Sport Marketing                                                  | 3    |     |            |                                |                      |      |
| SA 365                                                          | Ethical and Legal Issues in Sports Administration                | 3    |     |            |                                |                      |      |
| SA 371                                                          | Planning Facilities for Physical Activity                        | 3    |     |            |                                |                      |      |
| SA 401                                                          | International Sport Management                                   | 3    |     |            |                                |                      |      |
| SA 403                                                          | Internship                                                       | 3    |     |            |                                |                      |      |
| SA 435                                                          | Governance and Policy in Sport Organizations                     | 3    |     |            |                                |                      |      |
| <b>Student Teaching</b>                                         |                                                                  |      |     |            |                                |                      |      |
| ST 4xx                                                          | Student Teaching                                                 | 16   | C   | O          | N/A                            | Must be taken at UIU |      |
| <b>Theatre</b>                                                  |                                                                  |      |     |            |                                |                      |      |
| THE 110                                                         | Introduction to Theatre                                          | 3    | C   | O          |                                |                      |      |
| THE 213                                                         | Principles of Acting                                             | 3    | C   |            |                                |                      |      |
| THE 240                                                         | Oral Interpretation                                              | 3    | C   | O          |                                |                      |      |
| THE 260                                                         | Storytelling and Performance                                     | 3    | C   | O          |                                |                      |      |
| <b>General Education Non-Course Equivalent Transfer Options</b> |                                                                  |      |     |            |                                |                      |      |
| General Education Arts/Humanities                               |                                                                  |      |     | 10-533-113 | American Sign Language 1       |                      | 2    |
|                                                                 |                                                                  |      |     | 10-533-114 | American Sign Language 2       |                      | 2    |
|                                                                 |                                                                  |      |     | 10-533-130 | American Sign Language 3       |                      | 2    |
| General Education Natural Science                               |                                                                  |      |     | 10-513-140 | Advanced Microbiology          |                      | 2    |
|                                                                 |                                                                  |      |     | 10-806-110 | Body, Structure & Function     |                      | 3    |
|                                                                 |                                                                  |      |     | 10-806-134 | General Chemistry              |                      | 4    |
|                                                                 |                                                                  |      |     | 10-806-186 | Intro to Biochemistry          |                      | 4    |
| General Education Social Science                                |                                                                  |      |     | 10-809-199 | Psychology of Human Relations  |                      | 3    |
| General Education Cultures                                      |                                                                  |      |     | 10-196-169 | Leading Change and Diversity   |                      | 3    |

F C column= "C" indicates course is available on campus in Fayette, Iowa

O C column= "O" indicates course is available online or at a center

Other transfer courses may be reviewed on a course-by-course basis.

Lower-division transfer work will not contribute to the upper-division credit requirement at UIU.

A maximum of 78 lower-division semester credits may be transferred from accredited institutions to apply toward the minimum 120 semester credits required for a degree.

These 78 semester credits include:

- A. No more than nine semester credits from Exercise and Sports Studies (EXSS) activity courses, including transcribed intercollegiate athletics.
- B. No credits from courses identified by Upper Iowa University as remedial or developmental (except for articulated intensive English credits from partner institutions).
- C. No more than 30 semester credits from one-year occupational diploma programs.

| Upper Iowa University |              |         |        |        | Northcentral Technical College |              |         |
|-----------------------|--------------|---------|--------|--------|--------------------------------|--------------|---------|
| Course ID             | Course Title | #<br>Cr | F<br>C | O<br>C | Course ID                      | Course Title | #<br>Cr |

Upper Iowa University's 2020-2021 Academic Catalog: <https://uiu.edu/academics/catalog/>  
Northcentral Technical College 2021-2022 College Catalog: <https://www.ntc.edu/academics-training/programs>

*Every effort has been made to ensure the accuracy and completeness of the above course transfer guide. The Office of the Registrar of Upper Iowa University reserves the right to make corrections, additions, and deletions as necessary.*