

Program Transfer Guide

**Des Moines Area Community College Associate in Applied Science
(AAS) in**

AGING SERVICES MANAGEMENT, LONG-TERM CARE ADMIN

→ UIU Bachelor of Science (BS) in

HEALTH SERVICES ADMINISTRATION – GENERAL EMPHASIS

FEBRUARY 2020



EDUCATION BUILT FOR LIFE

Years 1 & 2 at Des Moines Area Community College:

| DMACC Program Course Sequence | | | Course Transfers into UIU as | | | |
|--|---|-------------------------|------------------------------|---|-------------------------|--|
| Course ID | Course Name | # Cr | Course ID | Course Name | # Cr | Requirement Fulfilled |
| Semester 1 | | | | | | |
| ASM 278 | Management in Senior Care | 3 | BA 210 | Management Principles | 3 | Business Core |
| SDV 108 | The College Experience | 1 | --- | --- | 1 | Free Elective |
| ACC 131 <i>(Elective)</i> OR Aging Services Elective | Principles of Accounting I | 4 OR 2 | ACCT 201 | Accounting Principles I | 4 OR 2 | Business Core <i>See Electives Table</i> |
| ASM 238 <i>(Elective)</i> OR Aging Services Elective | Financial Management in AS | 3 OR 3 | HSA 362 | Financial Mgmt. of Health Services Organizations * | 3 OR 3 | Major <i>See Electives Table</i> |
| ENG 105 <i>(Elective)</i> OR Communications Elective | Composition I | 3 OR 3 | ENG 101 | English Composition I | 3 OR 3 | Gen Ed Comm./Wrtn <i>See Electives Table</i> |
| MAT 157 <i>(Elective)</i> OR Math or Science Elective | Statistics | 4 OR 3 | MATH 220 | Elementary Statistics | 4 OR 3 | Gen Ed Mathematics <i>See Electives Table</i> |
| Semester 2 | | | | | | |
| ASM 279 | HealthCare Human Resources | 3 | BA 361 | Human Resources Mgmt. * | 3 | Business Core |
| ASM 282 | Aging Services | 2 | --- | --- | 2 | Free Elective |
| ASM 274 <i>(Elective)</i> OR Aging Services Elective | Law & Ethics in Healthcare | 3 OR 3 | HSA 360 | Health Care Law & Ethics * | 3 OR 3 | Major <i>See Electives Table</i> |
| SOC 110 <i>(Elective)</i> OR Social & Behavior Sciences Elective | Intro to Sociology | 3 OR 3 | SOC 110 | Principles of Sociology | 3 OR 3 | Gen Ed Soc. Sci. <i>See Electives Table</i> |
| PSY 111 <i>(Elective)</i> OR Social & Behavior Sciences Elective | Intro to Psychology | 3 OR 3 | PSY 190 | General Psychology | 3 OR 3 | Gen Ed Soc. Sci. <i>See Electives Table</i> |
| Semester 3 | | | | | | |
| ASM 283 | Aging Policies & Gov Programs | 2 | --- | --- | 2 | Free Elective |
| SOC 225 | Social Gerontology/Appl | 4 | PSY 397 | Social Gerontology * | 4 | Free Elective |
| Aging Services Elective | | 2 | --- | <i>See Electives Table</i> | 2 | <i>See Electives Table</i> |
| Semester 4 | | | | | | |
| ASM 240 | Practicum I: Social Services | 1 | --- | --- | 1 | Free Elective |
| ASM 241 | Practicum II: Dietary | 1 | --- | --- | 1 | Free Elective |
| ASM 242 | Practicum III: Legal Aspects & Government Organizations | 1 | --- | --- | 1 | Free Elective |
| ASM 243 | Practicum IV: Nursing | 1 | --- | --- | 1 | Free Elective |
| ASM 244 | Practicum V: Environmental Services | 1 | --- | --- | 1 | Free Elective |



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Years 1 & 2 at Des Moines Area Community College: (cont.)

| DMACC Program Course Sequence | | | Course Transfers into UIU as | | | |
|--|--|----------------|--------------------------------|---------------------------------|----------------|--------------------------|
| Course ID | Course Name | # Cr | Course ID | Course Name | # Cr | Requirement Fulfilled |
| Semester 4 (cont.) | | | | | | |
| ASM 280 | HealthCare Delivery Systems | 2 | --- | --- | 2 | Free Elective |
| SOC 226 | Issues in Aging | 2 | --- | --- | 2 | Free Elective |
| SPC 101 OR | Fund of Oral Comm. (Elective) | 3 OR | COMM 105 | Public Speaking | 3 OR | Gen Ed Comm./Oral |
| Distributed Electives | | 3 | --- | See Electives Table | 3 | See Electives Table |
| Distributed Electives | | 3 | --- | See Electives Table | 4 | See Electives Table |
| Semester 5 | | | | | | |
| ASM 245 | Practicum VI: Activities/Community Resources | 1 | --- | --- | 1 | Free Elective |
| ASM 246 | Practicum VII: Business Administration | 1 | HSA 306 | Long-Term Care Administration * | 1 | Major |
| ASM 247 | Practicum VIII: Administrative Organization | 1 | --- | --- | 1 | Free Elective |
| ASM 248 | Practicum IX: Human Resource Management | 1 | --- | --- | 1 | Free Elective |
| Distributed Electives | | 2-3 | --- | See Electives Table | 2-3 | See Electives Table |
| Distributed Electives (UIU recommends an elective with a light purple background to fulfill cultures) | | 3 | --- | See Electives Table | 3 | Gen Ed Cultures |
| Distributed Electives (UIU recommends an elective with a light orange background to fulfill Gen Ed Arts/Humn) | | 3 | --- | See Electives Table | 3 | Gen Ed Arts/Humn. |
| Total occupational course credits earned: | | 64-68 | Total course credits accepted: | | 64-68 | |
| Total credits required for graduation: | | 64 | | | | |
| Total transferable credits#: | | 64-68 | | | | |

UIU recommendations are **bolded**.

Years 3 & 4 at Upper Iowa University:

| Courses to be taken at Upper Iowa University | UIU Program Course List | | # Cr | Requirement Fulfilled | Transferred In | |
|--|----------------------------------|--|------------------------|---|-------------------------|--|
| | General Education Courses | | | | | |
| | | any Gen Ed in Arts/Humanities | 3 | Gen Ed Arts/Humanities | Fulfilled with Elective | |
| | | any Gen Ed in Arts/Humanities | 3 | Gen Ed Arts/Humanities | --- | |
| | ENG 101 | English Composition I | 3 | Gen Ed Comm./Wrtn | ENG 105 | |
| | ENG 102 | English Composition II | 3 | Gen Ed Comm./Wrtn | --- | |
| | COMM 105 OR COMM 200 | Public Speaking Interpersonal Communication | 3 | Gen Ed Comm./Oral | SPC 101 | |
| | CS 102 | Intro Computer Applications & Technology | 3 | Gen Ed Computer Skills | --- | |
| | MATH 105 or higher | College Algebra w/ Applications | 3 | Gen Ed Mathematics | MATH 220 | |
| | | any Gen Ed in Natural Science | 3 | Gen Ed Natural Science | --- | |
| | any Gen Ed in Natural Science | 3 | Gen Ed Natural Science | --- | | |
| | any Gen Ed in Social Science | 3 | Gen Ed Social Science | SOC 110 | | |
| | any Gen Ed in Social Science | 3 | Gen Ed Social Science | PSY 111 | | |
| | any Gen Ed in Cultures | 3 | Gen Ed Cultures | ANT100, ANT105, COM148, GEO124, LIT130, or SOC200 | | |



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Years 3 & 4 at Upper Iowa University: (cont.)

| UIU Program Course List | | # Cr | Requirement Fulfilled | Transferred In |
|--|--|----------------|-----------------------|----------------|
| Business Core Courses | | | | |
| ECON 160 | Principles of Microeconomics | 3 | Business Core | --- |
| <i>ACCT 201</i> | <i>Accounting Principles I</i> | 3 | <i>Business Core</i> | <i>ACC 131</i> |
| <i>BA 210</i> | <i>Management Principles</i> | 3 | <i>Business Core</i> | <i>ASM 278</i> |
| <i>BA 361</i> | <i>Human Resources Management</i> | 3 | <i>Business Core</i> | <i>ASM 279</i> |
| BA 460 | Strategic Management | 3 | Business Core | --- |
| Major Courses | | | | |
| HSA 205 | Intro to the American Health System | 3 | Major | --- |
| HSA 241 | Healthcare Informatics | 3 | Major | --- |
| HSA 344 | Population Health Management | 3 | Major | --- |
| <i>HSA 360</i> | <i>Health Care Law & Ethics</i> | 3 | <i>Major</i> | <i>ASM 274</i> |
| <i>HSA 362</i> | <i>Financial Management of Health Care Organizations</i> | 3 | <i>Major</i> | <i>ASM 238</i> |
| HSA 440 | Health Services Administration | 3 | Major | --- |
| HSA 460 | Health Services Policy & Regulation | 3 | Major | --- |
| HSA 490 | Health Program Planning & Evaluation | 3 | Major | --- |
| <i>HSA 306</i> | <i>Long Term Care Administration</i> | 3 | <i>Emphasis</i> | <i>ASM 246</i> |
| HSA 312 | Community & Public Health | 3 | Emphasis | --- |
| ECON 455 | Economics of Health and Health Care | 3 | Emphasis | --- |
| Electives | | 9-12 | Degree Requirements | --- |
| Total additional credits needed at UIU to complete degree: | | 54-57 | | |
| Total transferable credits from DMACC: | | 64-68 | | |
| Total Earned Credits: | | 121-122 | | |

~~ NOTES ~~

LEGEND:

- # Transfer grades lower than a C- will not be accepted.
- • Course has a prerequisite.
- **Bolded** text indicates UIU recommendations.
- *Grayed out text* indicates courses fulfilled through transfer. Strikethrough indicates specific course if within grouping.

A minimum of 120 semester credits is required for a baccalaureate degree; up to 78 lower-division college semester credits from Des Moines Area Community College. A minimum of 30 credits must be upper-division credits for a UIU baccalaureate degree; lower-division transfer work from Des Moines Area Community College does not contribute to the upper-division credit requirement at UIU.

This program transfer guide is based on the August 2019 course-to-course articulation (UIU 2019-2020 catalog & DMACC 2019-2020 catalog).

Every effort has been made to ensure the accuracy and completeness of this program articulation. The office of the Registrar of Upper Iowa University reserves the right to make corrections, additions, and deletions as necessary.

DMACC Elective Table

| DMACC ELECTIVES | | | Transfers as UIU Course | | | |
|---|---------------------------------------|----------|-------------------------|---|----------|-------------------------------------|
| Course Id | Course Name | # Cr | Course Id | Course Name | # Cr | Requirement Fulfilled |
| Aging Services Electives | | | | | | |
| ACC 111 | Intro to Accounting | 3 | --- | --- | 3 | Free Elective |
| ACC 131 | Principles of Accounting I | 4 | ACCT 201 | Accounting Principles I | 4 | Business Core |
| ASM 238 | Financial Management in AS | 3 | HSA 362 | Financial Management of Health Services Orgs * | 3 | Major |
| ASM 239 | Info Systems in Healthcare | 2 | --- | --- | 2 | Free Elective |
| ASM 274 | Law & Ethics in Healthcare | 3 | HSA 360 | Health Care Law & Ethics * | 3 | Major |
| Communications Electives | | | | | | |
| ADM 157 | Business English | 3 | --- | --- | 3 | Free Elective |
| COM 703 | Communication Skills | 3 | --- | --- | 3 | Free Elective |
| ENG 105 | Composition I | 3 | ENG 101 | English Composition I * | 3 | Gen Ed Comm./Wrtn |
| ENG 106 | Composition II | 3 | ENG 102 | English Composition II * | 3 | Gen Ed Comm./Wrtn |
| ENG 108 | Comp II: Technical Writing | 3 | --- | --- | 3 | Free Elective |
| Social & Behavioral Sciences/ Humanities Electives | | | | | | |
| AGB 101 | Agricultural Economics | 3 | --- | --- | 3 | Free Elective |
| ANT 100 | Introduction to Anthropology | 3 | --- | --- | 3 | Gen Ed Cultures |
| ANT 105 | Cultural Anthropology | 3 | ANTH 110 | Introduction to Cultural Anthropology | 3 | Gen Ed Cultures or Gen Ed Soc. Sci. |
| ART 101 | Art Appreciation | 3 | ART 100 | Introduction to Art | 3 | Gen Ed Arts/Humn. |
| ART 184 | Principles of Photography | 3 | --- | --- | 3 | Gen Ed Arts/Humn. |
| ART 186 | Principles Digital Photograph | 3 | GRAF 218 | Digital Photography and Editing | 3 | Gen Ed Arts/Humn. |
| COM 146 | Gender, Sexuality and Media | 3 | --- | --- | 3 | Gen Ed Soc. Sci. |
| COM 148 | Diversity and the Media | 3 | --- | --- | 3 | Gen Ed Cultures |
| DRA 101 | Introduction to Theatre | 3 | THE 110 | Introduction to Theatre | 3 | Gen Ed Arts/Humn. |
| ECN 120 | Principles of Macroeconomics | 3 | ECON 161 | Principles of Macroeconomics * | 3 | Gen Ed Soc. Sci. |
| ECN 130 | Principles of Microeconomics | 3 | ECON 160 | Principles of Microeconomics | 3 | Gen Ed Soc. Sci. |
| FLA 141 | Elementary Arabic I | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLA 142 | Elementary Arabic II | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLA 241 | Intermediate Arabic I | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLA 242 | Intermediate Arabic II | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLC 141 | Elementary Chinese I | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLC 142 | Elementary Chinese II | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLC 241 | Intermediate Chinese I | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLC 242 | Intermediate Chinese II | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLF 151 | Elementary French I | 5 | --- | --- | 5 | Gen Ed Arts/Humn. |
| FLF 152 | Elementary French II | 5 | --- | --- | 5 | Gen Ed Arts/Humn. |
| FLF 241 | Intermediate French I | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLF 242 | Intermediate French II | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLG 141 | Elementary German I | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLG 142 | Elementary German II | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLG 241 | Intermediate German I | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLG 242 | Intermediate German II | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLI 141 | Elementary Italian I | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLI 142 | Elementary Italian II | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLI 241 | Intermediate Italian I | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |

DMACC Elective Table (cont.)

| DMACC ELECTIVES | | | Transfers as UIU Course | | | |
|---|--------------------------------|------|-------------------------|-----------------------------|------|--------------------------------------|
| Course Id | Course Name | # Cr | Course Id | Course Name | # Cr | Requirement Fulfilled |
| Social & Behavioral Sciences/ Humanities Electives (cont.) | | | | | | |
| FLI 242 | Intermediate Italian II | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLJ 141 | Elementary Japanese I | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLJ 142 | Elementary Japanese II | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLJ 241 | Intermediate Japanese I | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLJ 242 | Intermediate Japanese II | 4 | --- | --- | 4 | Gen Ed Arts/Humn. |
| FLS 151 | Elementary Spanish I | 5 | SPN 101 | Beginning Spanish I | 5 | Gen Ed Arts/Humn. |
| FLS 152 | Elementary Spanish II | 5 | SPN 102 | Beginning Spanish II * | 5 | Gen Ed Arts/Humn. |
| FLS 181 | Spanish for Heritage Spkrs I | 4 | --- | --- | 4 | Free Elective |
| FLS 241 | Intermediate Spanish I | 4 | SPN 201 | Intermediate Spanish I * | 4 | Gen Ed Arts/Humn. |
| FLS 242 | Intermediate Spanish II | 4 | SPN 202 | Intermediate Spanish II * | 4 | Gen Ed Arts/Humn. |
| FLS 281 | Spanish for Heritage Spkrs II | 4 | --- | --- | 4 | Free Elective |
| GEO 111 | Intro to Geography | 3 | GEOG 200 | World Regional Geography | 3 | Gen Ed Soc. Sci. |
| GEO 124 | Reg Geog of the NonWest World | 3 | --- | --- | 3 | Gen Ed Cultures |
| GEO 125 | Regional Geog of the Dev World | 3 | --- | --- | 3 | Gen Ed Soc. Sci. |
| HIS 112 | West Civ: Ancient to Early Mod | 4 | --- | --- | 4 | Gen Ed Soc. Sci. |
| HIS 113 | West Civ: Early Modern to Pres | 4 | --- | --- | 4 | Gen Ed Soc. Sci. |
| HIS 150 | U.S. History to 1877 | 4 | HIST 110 | American History to 1877 | 4 | Gen Ed Soc. Sci. |
| HIS 153 | U.S. History since 1877 | 4 | HIST 111 | American History Since 1877 | 4 | Gen Ed Soc. Sci. |
| HIS 257 | African-American History | 3 | HIST 330 | African American History | 3 | Gen Ed Soc. Sci. |
| HUM 116 | Encounters in Humanities | 3 | --- | --- | 3 | Gen Ed Arts/Humn. |
| HUM 120 | Introduction to Film | 3 | COMM 290 | The Movies (also ENG 290) | 3 | Gen Ed Arts/Humn. |
| HUM 121 | America in the Movies | 3 | ENG 290 | The Movies (also COMM 290) | 3 | Gen Ed Arts/Humn. |
| JOU 110 | Intro to Mass Media | 3 | --- | --- | 3 | Gen Ed Soc. Sci. |
| JOU 113 | Gender, Sexuality and Media | 3 | --- | --- | 3 | Gen Ed Soc. Sci. |
| JOU 114 | Diversity and the Media | 3 | --- | --- | 3 | Gen Ed Soc. Sci. |
| LIT 101 | Intro to Literature | 3 | ENG 125 | Introduction to Literature | 3 | Gen Ed Arts/Humn. |
| LIT 110 | Amer Literature to Mid 1800s | 3 | ENG 209 | American Literature I | 3 | Gen Ed Arts/Humn. |
| LIT 111 | Amer Literature since Mid 1800 | 3 | ENG 210 | American Literature II | 3 | Gen Ed Arts/Humn. |
| LIT 130 | African-American Literature | 3 | ENG 265 | African American Literature | 3 | Gen Ed Arts/Humn. or Gen Ed Cultures |
| LIT 142 | Major British Writers | 3 | ENG 212 | British Literature II | 3 | Gen Ed Arts/Humn. |
| LIT 150 | World Literature I | 3 | --- | --- | 3 | Gen Ed Arts/Humn. |
| LIT 151 | World Literature II | 3 | ENG 214 | World Literature Survey | 3 | Gen Ed Arts/Humn. |
| LIT 166 | Science Fiction | 3 | --- | --- | 3 | Gen Ed Arts/Humn. |
| LIT 185 | Contemporary Literature | 3 | --- | --- | 3 | Gen Ed Arts/Humn. |
| LIT 188 | Detective Fiction | 3 | --- | --- | 3 | Gen Ed Arts/Humn. |
| LIT 190 | Women Writers | 3 | --- | --- | 3 | Free Elective |
| LIT 193 | Humor in Literature | 3 | --- | --- | 3 | Gen Ed Arts/Humn. |
| LIT 209 | Literature Film Adaptation | 3 | --- | --- | 3 | Gen Ed Arts/Humn. |
| MGT 145 | Human Relations in Management | 3 | --- | --- | 3 | Free Elective |
| MUS 100 | Music Appreciation | 3 | MUS 100 | Introduction to Music | 3 | Gen Ed Arts/Humn. |
| MUS 102 | Music Fundamentals | 3 | --- | --- | 3 | Gen Ed Arts/Humn. |
| MUS 202 | World Music | 3 | --- | --- | 3 | Gen Ed Arts/Humn. |
| MUS 205 | Jazz History and Appreciation | 3 | MUS 200 | American Jazz Styles | 3 | Gen Ed Arts/Humn. |

DMACC Elective Table (cont.)

| DMACC ELECTIVES | | | Transfers as UIU Course | | | |
|---|-----------------------------------|----------|-------------------------|---|----------|-------------------------------------|
| Course Id | Course Name | # Cr | Course Id | Course Name | # Cr | Requirement Fulfilled |
| Social & Behavioral Sciences/ Humanities Electives (cont.) | | | | | | |
| PHI 101 | Introduction to Philosophy | 3 | PHIL 150 | Intro to Philosophy | 3 | Gen Ed Arts/Humn. |
| PHI 105 | Introduction to Ethics | 3 | PHIL 202 | Contemporary Ethics | 3 | Gen Ed Arts/Humn. |
| PHI 110 | Introduction to Logic | 3 | --- | --- | 3 | Gen Ed Arts/Humn. |
| POL 111 | American National Government | 3 | PS 100 | U.S. Government | 3 | Gen Ed Soc. Sci. |
| POL 112 | Amer State & Local Government | 3 | PS 230 | State & Local Government | 3 | Gen Ed Soc. Sci. |
| POL 121 | International Relations | 3 | PS 211 | International Relations | 3 | Gen Ed Soc. Sci. |
| POL 125 | Comparative Gov't & Politics | 3 | PS 212 | Comparative Politics | 3 | Gen Ed Soc. Sci. |
| POL 171 | Intro to Public Administration | 3 | --- | --- | 3 | Free Elective |
| PSY 102 | Human and Work Relations | 3 | --- | --- | 3 | Gen Ed Soc. Sci. |
| PSY 111 | Introduction to Psychology | 3 | PSY 190 | General Psychology | 3 | Gen Ed Soc. Sci. |
| PSY 121 | Developmental Psychology | 3 | EDU 142 | Human Growth, Development & Guidance | 3 | Gen Ed Soc. Sci. |
| PSY 241 | Abnormal Psychology | 3 | PSY 360 | Abnormal Psychology* | 3 | Free Elective |
| PSY 251 | Social Psychology | 3 | PSY 310 | Social Psychology (also SOC 310)* | 3 | Free Elective |
| PSY 261 | Human Sexuality | 3 | PSY 270 | Human Sexuality | 3 | Gen Ed Soc. Sci. |
| REL 101 | Survey of World Religions | 3 | REL 120 | Intro to World Religions | 3 | Gen Ed Arts/Humn. |
| SOC 110 | Introduction to Sociology | 3 | SOC 110 | Principles of Sociology | 3 | Gen Ed Soc. Sci. |
| SOC 115 | Social Problems | 3 | SOC 220 | Social Problems | 3 | Gen Ed Soc. Sci. |
| SOC 120 | Marriage & Family | 3 | SOC 361 | Marriage and the Family* | 3 | Free Elective |
| SOC 200 | Minority Group Relations | 3 | SOC 240 | Diversity in the US | 3 | Gen Ed Cultures or Gen Ed Soc. Sci. |
| Math or Science Electives | | | | | | |
| ANT 202 | Human Origins | 3 | --- | --- | 3 | Gen Ed Soc. Sci. |
| BIO 104 | Introductory Biology w/lab | 3 | BIO 100 | General Biological Science | 3 | Gen Ed Nat. Sci. |
| BIO 112 | General Biology I | 4 | BIO 135 | Principles of Biology I | 4 | Gen Ed Nat. Sci. |
| BIO 113 | General Biology II | 4 | BIO 140 | Principles of Biology II* | 4 | Gen Ed Nat. Sci. |
| BIO 135 | Introduction to Botany | 4 | BIO 231 | General Botany* | 4 | Gen Ed Nat. Sci. |
| BIO 138 | Field Ecology | 3 | --- | --- | 3 | Free Elective |
| BIO 156 | Human Biology w/lab | 3 | --- | --- | 3 | Gen Ed Nat. Sci. |
| BIO 164 | Essentials Anatomy/Physiology | 5 | BIO 268 | Introduction to Human Anatomy and Physiology* | 5 | Gen Ed Nat. Sci. |
| BIO 168 | Anatomy & Physiology I | 4 | BIO 270 | Human Anatomy and Physiology I* | 4 | Gen Ed Nat. Sci. |
| BIO 173 | Anatomy & Physiology II | 4 | BIO 275 | Human Anatomy and Physiology II* | 4 | Free Elective |
| BIO 186 | Microbiology | 4 | BIO 210 | Microbiology* | 4 | Gen Ed Nat. Sci. |
| BIO 732 | Health Science Microbiology | 4 | --- | --- | 4 | Gen Ed Nat. Sci. |
| BIO 733 | Health Science Anatomy | 3 | BIO 268 | Introduction to Human Anatomy and Physiology* | 3 | Gen Ed Nat. Sci. |
| BIO 734 | Health Science Physiology | 3 | --- | --- | 3 | Gen Ed Nat. Sci. |
| BUS 112 | Business Math | 3 | --- | --- | 3 | Free Elective |
| CHM 105 | Survey of Chemistry | 3 | CHEM 140 | Chemistry for Everyday Life | 3 | Gen Ed Nat. Sci. |
| CHM 122 | Intro to General Chemistry | 4 | --- | --- | 4 | Gen Ed Nat. Sci. |
| CHM 132 | Intro to Organic/Biochemistry | 4 | --- | --- | 4 | Gen Ed Nat. Sci. |
| CHM 165 | General/ Inorg Chemistry I | 4 | CHEM 151 | General Chemistry I | 4 | Gen Ed Nat. Sci. |
| CHM 175 | General/ Inorg Chemistry II | 4 | CHEM 152 | General Chemistry II* | 4 | Gen Ed Nat. Sci. |

DMACC Elective Table (cont.)

| DMACC ELECTIVES | | | Transfers as UIU Course | | | |
|--|-----------------------------------|----------|-------------------------|---|----------|---------------------------|
| Course Id | Course Name | # Cr | Course Id | Course Name | # Cr | Requirement Fulfilled |
| Math or Science Electives (cont.) | | | | | | |
| CHM 263 | Organic Chemistry I | 5 | CHEM 251 | Organic Chemistry I • | 5 | Free Elective |
| CHM 273 | Organic Chemistry II | 5 | CHEM 252 | Organic Chemistry II • | 5 | Free Elective |
| ELT 106 | Basic Math for Electronics | 3 | --- | --- | 3 | Free Elective |
| ELT 108 | Math-Electronics & Computers | 4 | --- | --- | 4 | Free Elective |
| ENV 115 | Environmental Science | 3 | ES 161 | Introduction to Environmental Science | 3 | Gen Ed Nat. Sci. |
| ENV 116 | Environmental Science Lab | 1 | ES 175 | Earth Systems Laboratory • | 1 | Free Elective |
| ENV 145 | Conservation Biology | 4 | --- | --- | 4 | Free Elective |
| MAT 110 | Math for Liberal Arts | 3 | --- | --- | 3 | Free Elective |
| MAT 114 | Elementary Educators Math I | 3 | EDU 253 | Mathematics for Elementary and Middle School Teachers | 3 | Free Elective |
| MAT 116 | Elementary Educators Math II | 3 | --- | --- | 3 | Free Elective |
| MAT 121 | College Algebra | 4 | MATH 107 | College Algebra • | 4 | Gen Ed Mathematics |
| MAT 129 | Precalculus | 5 | MATH 107 | College Algebra • | 5 | Gen Ed Mathematics |
| MAT 130 | Trigonometry | 3 | MATH 115 | Trigonometry and Analytic Geometry • | 3 | Gen Ed Mathematics |
| MAT 141 | Finite Math | 4 | --- | --- | 4 | Free Elective |
| MAT 157 | Statistics | 4 | MATH 220 | Elementary Statistics • | 4 | Gen Ed Mathematics |
| MAT 162 | Prin. of Business Statistics | 4 | BA 256 | Quantitative Analysis for Business I • | 4 | Free Elective |
| MAT 164 | Calculus for Busn/Social Sci | 4 | MATH 109 | Quantitative Methods • | 4 | Gen Ed Mathematics |
| MAT 211 | Calculus I | 5 | MATH 120 | Calculus I • | 5 | Gen Ed Mathematics |
| MAT 217 | Calculus II | 5 | MATH 200 | Calculus II • | 5 | Free Elective |
| MAT 219 | Calculus III | 4 | MATH 215 | Multivariable Calculus • | 4 | Free Elective |
| MAT 227 | Diff Equations with Laplace | 4 | MATH 300 | Differential Equations • | 4 | Free Elective |
| MAT 772 | Applied Math | 3 | --- | --- | 3 | Free Elective |
| MAT 773 | Applied Math II | 3 | --- | --- | 3 | Free Elective |
| PHS 152 | Astronomy | 4 | PHY 109 & PHY 110 | Intro to Astronomy Lab (1) & Intro to Astronomy (3) | 4 | Free Elective |
| PHS 166 | Meteorology, Weather & Climate | 4 | --- | --- | 4 | Gen Ed Nat. Sci. |
| PHY 106 | Survey of Physics | 4 | PHY 105 | Conceptual Physics | 4 | Gen Ed Nat. Sci. |
| PHY 160 | General Physics I | 5 | PHY 111 | Introductory Physics I | 5 | Gen Ed Nat. Sci. |
| PHY 161 | General Physics II | 5 | PHY 113 | Introductory Physics II • | 5 | Gen Ed Nat. Sci. |
| PHY 213 | Classical Physics I | 6 | PHY 111 | Introductory Physics I | 6 | Gen Ed Nat. Sci. |
| PHY 223 | Classical Physics II | 6 | PHY 113 | Introductory Physics II • | 6 | Gen Ed Nat. Sci. |
| PHY 710 | Technical Physics | 3 | --- | --- | 3 | Gen Ed Nat. Sci. |
| Distributed Electives – Choose from Communications Electives, Social & Behavioral/ Humanities, Math or Science Electives or from the electives below. | | | | | | |
| SPC 101 | Fund of Oral Communication | 3 | COMM 105 | Public Speaking | 3 | Gen Ed Comm./Oral |
| SPC 122 | Interpersonal Communication | 3 | COMM 200 | Interpersonal Communication | 3 | Gen Ed Comm./Oral |
| ELT 368 | DC & AC Fundamentals | 3 | --- | --- | 3 | Free Elective |