

# Associate of Arts (Updated 12-2/25)

Name: \_\_\_\_\_

ID#: \_\_\_\_\_ Date: \_\_\_\_\_



## 1. Core Transfer Curriculum (CORE 42) :

The Core Transfer Curriculum comprises 42 hours of the 60-hour AA degree. MACC courses designated as Core 42 are recognized as part of the state's general education CORE 42 transfer curriculum and are guaranteed to transfer to Missouri public colleges and universities. Students who complete the entire 42-hour block will have fulfilled all lower-level general education requirements (excludes professional programs) at Missouri public institutions.

## 2. Communications (9 credit hours):

LAL101 Composition I (3) \_\_\_\_\_

LAL102 Composition II (3) \_\_\_\_\_

SPK101 Public Speaking (3) or \_\_\_\_\_

SPK120 Interpersonal Communication (3) \_\_\_\_\_

## 3. Mathematics (3 credit hours):

MTH140 College Algebra (3) or \_\_\_\_\_

MTH142 Quantitative Reasoning (3) or \_\_\_\_\_

MTH145 Trigonometry (3) or \_\_\_\_\_

MTH150 Precalculus (5) or \_\_\_\_\_

MTH160 Elementary Statistics (3) or \_\_\_\_\_

MTH190 Calculus for Business and Life Sciences (3) or \_\_\_\_\_

MTH201 Analytic Geometry and Calculus I (5) \_\_\_\_\_

## 4. Social and Behavioral Sciences (9 credit hours):

Social and Behavioral Sciences are identified by the CORE 42

symbol . *Two disciplines must be represented.* The required hours must include one of the following courses to fulfill the state's history/Constitution (civics) requirement:

HST105 American Hist to 1865 (3) or \_\_\_\_\_

HST106 American Hist from 1865 (3) or \_\_\_\_\_

PSC105 Intro. to American Government (3) \_\_\_\_\_

The remaining six hours must be selected from the following disciplines: ECN, GEO, HST, PSC, PSY, and SOC.

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## 5. Physical and Biological Science (7 credit hours):

Physical (PHY) and Biological (BIO) Sciences (including AGR141 Plant Science) are identified by the CORE 42 symbol . *Two disciplines must be represented and must include at least one course with a lab component.*

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## 6. Humanities and Fine Arts (9 credit hours):

Humanities & Fine Arts are identified by the CORE 42 symbol . *Two disciplines must be represented. There is a limit of three (3) credit hours of Performance (PERF) courses.*

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## 7. Additional Core Transfer Curriculum Req. (5 credit hours):

Students must select courses identified by the CORE 42 symbol

 to fulfill any remaining hours in the core transfer curriculum.

Maximum of 5 credit hours that result from an overage in total credit hours from Communications, Mathematics, Social & Behavioral Science, Physical & Biological Science, and Humanities will apply to the Additional Core Transfer Curriculum requirement. Any additional credit hours from the 42-credit hour transfer curriculum will apply to elective hours.

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### End of 42-hour Core Transfer Curriculum

## 8. Electives (Complete courses to reach 60 credit hours. Maximum of 18 elective credit hours allowed for the degree.):

For some degree programs, recommended elective choices are listed with the suggested curriculum. For other programs, electives will be based on the student's area of interest. Students should always see an advisor for assistance in choosing appropriate electives.

Certain career/technical courses will meet elective requirements. Other career/technical courses may be taken as electives if the student presents written proof from the receiving institution guaranteeing acceptance prior to these career/technical courses being counted as electives.

Veterans may receive two credit hours of physical education for military training programs according to eligibility, application, and submission of qualifying documentation (DD-214 required).

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## 9. Other Coursework (does not count toward degree):

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\_\_\_\_\_  
\_\_\_\_\_

## 10. Additional Graduation Requirement (Civics Exam):

Missouri law, included in Senate Bill 807, requires every college student pursuing an associate's or bachelor's degree at a public institution to pass the **Missouri Higher Education Civics Achievement Examination** with at least a 70 percent to graduate. The rule will apply to the incoming class of first-time college students in the fall of 2019 and all students thereafter.

Completed \_\_\_\_\_

Total Hours Completed to Date \_\_\_\_\_

Minimum Hours Required for Degree **60 hours**

The Associate of Arts degree with an emphasis in STEM is designed for students who plan to transfer to a four-year college or university and major in biology, chemistry, computer science, information technology, mathematics, statistics, physical science, and physics. Suggested coursework under the STEM emphasis will cover biology, human anatomy, physiology, microbiology, information technology, statistics, calculus, chemistry, and physics. Careers related to STEM include but are not limited to actuary, computer programmer, network engineer, software specialist, risk analyst, physicist, biochemist, wildlife resources, veterinarian, botanist, pharmaceutical sales, forensic scientist, mathematician, meteorologist, and project management.

| Communications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (All three course are required)                          |          |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Course                                                   | Hours    |
| LAL101                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Composition I*                                           | 3        |
| LAL102                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Composition II                                           | 3        |
| SPK101 <u>or</u><br>SPK120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Public Speaking <u>or</u><br>Interpersonal Communication | 3        |
| *If a student does not place directly into LAL101: Composition I, below are the optional, English pathways based on placement scores:<br>1. LAL053 → LAL101<br>2. LAL090 with LAL101<br>**English (LAL) courses with numbers from 000-099 do not satisfy the AA degree requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Total Hours Required</b>                              | <b>9</b> |
| Mathematics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (Complete a minimum of one course)*                      |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Course                                                   | Hours    |
| MTH140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | College Algebra                                          | 3        |
| MTH142                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quantitative Reasoning                                   | 3        |
| MTH145                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Trigonometry                                             | 3        |
| MTH150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Precalculus                                              | 5        |
| MTH160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Elementary Statistics                                    | 3        |
| MTH190                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Calculus for Business and Life Sciences                  | 3        |
| MTH201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Analytic Geometry & Calculus I                           | 5        |
| *If a student does not place directly into one of the required courses above, below are the optional Math Pathways based on placement scores:<br><br><b>MTH140 College Algebra</b><br>1. MTH010 → MTH095 → MTH140<br>2. MTH095 → MTH140<br><b>MTH142 Quantitative Reasoning</b><br>1. MTH010 → MTH042 with MTH142<br>2. MTH010 → MTH095 → MTH142<br>3. MTH095 → MTH142<br>4. MTH160 → MTH142<br><b>MTH145 Trigonometry</b><br>1. MTH010 → MTH095 → MTH140 → MTH145<br>2. MTH095 → MTH140 → MTH145<br>3. MTH140 → MTH145<br><b>MTH150 Precalculus</b><br>1. MTH010 → MTH095 → MTH150<br>2. MTH095 → MTH150<br><b>MTH160 Elementary Statistics</b><br>1. MTH010 → MTH060 with MTH160<br>2. MTH010 → MTH095 → MTH160<br>3. MTH095 → MTH160<br>4. MTH142 → MTH160<br><b>MTH190 Calculus for Business and Life Sciences</b><br>1. MTH010 → MTH095 → MTH140 → MTH190<br>2. MTH010 → MTH095 → MTH150 → MTH190<br>3. MTH095 → MTH140 → MTH190<br>4. MTH095 → MTH150 → MTH190<br>5. MTH140 → MTH190<br>6. MTH150 → MTH190<br><b>MTH201 Analytic Geometry &amp; Calculus I</b><br>1. MTH010 → MTH095 → MTH140 → MTH145 → MTH201<br>2. MTH010 → MTH095 → MTH150 → MTH201<br>3. MTH095 → MTH140 → MTH145 → MTH201<br>4. MTH095 → MTH150 → MTH201<br>5. MTH140 → MTH145 → MTH201<br>6. MTH150 → MTH201<br><br>**Math (MTH) courses with numbers from 000-099 as well as MTH100 (counts as AA elective credit) do not satisfy the AA degree requirements.<br>***Please see your advisor regarding the appropriate math course for your degree and transfer institution. |                                                          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Total Hours Required</b>                              | <b>3</b> |

| Social & Behavioral Science    | (Complete a minimum of three courses from two disciplines)                                                 |          |
|--------------------------------|------------------------------------------------------------------------------------------------------------|----------|
|                                | Course                                                                                                     | Hours    |
|                                | One of the following courses is required to fulfill the state's history/Constitution (civics) requirement: |          |
| HST105                         | American History to 1865                                                                                   | 3        |
| HST106                         | American History from 1865                                                                                 | 3        |
| PSC105                         | Introduction to American Government                                                                        | 3        |
|                                | <b>Total Hours Required</b>                                                                                | <b>3</b> |
|                                | The remaining six hours must be selected from the following:                                               |          |
| ECN101                         | Macroeconomics                                                                                             | 3        |
| ECN102                         | Microeconomics                                                                                             | 3        |
| GEO101                         | World Geography I                                                                                          | 3        |
| HST105                         | American History to 1865                                                                                   | 3        |
| HST106                         | American History from 1865                                                                                 | 3        |
| HST150                         | African American History I                                                                                 | 3        |
| HST151                         | African American History II                                                                                | 3        |
| PSC105                         | Introduction to American Government                                                                        | 3        |
| PSC150                         | International Relations                                                                                    | 3        |
| PSY101                         | General Psychology                                                                                         | 3        |
| PSY205                         | Human Lifespan Development                                                                                 | 3        |
| SOC101                         | Sociology                                                                                                  | 3        |
| SOC150                         | Intro. to Criminal Justice Systems                                                                         | 3        |
| SOC205                         | Social Problems                                                                                            | 3        |
| SOC211                         | Sociology of the Family                                                                                    | 3        |
|                                | <b>Total Hours Required</b>                                                                                | <b>6</b> |
| Biological & Physical Sciences | (Complete a minimum of two courses from two disciplines with at least one course with a lab component)     |          |
|                                | Course                                                                                                     | Hours    |
| AGR141                         | Plant Science w/ Lab                                                                                       | 4        |
| BIO101                         | Biology w/ Lab                                                                                             | 4        |
| BIO105                         | Introductory Conservation Biology                                                                          | 3        |
| BIO135                         | Human Nutrition                                                                                            | 3        |
| BIO150                         | General Zoology w/ Lab                                                                                     | 5        |
| BIO151                         | Introductory Plant Biology w/ Lab                                                                          | 4        |
| BIO155                         | General Biology for Majors I w/ Lab                                                                        | 4        |
| BIO205                         | Human Anatomy w/ Lab                                                                                       | 4        |
| BIO209                         | Physiology w/ Lab                                                                                          | 4        |
| PHY101                         | Foundations of Physical Science w/ Lab                                                                     | 4        |
| PHY120                         | Foundations of Chemistry w/ Lab                                                                            | 4        |
| PHY121                         | General Chemistry I w/ Lab                                                                                 | 5        |
| PHY125                         | Foundations of Physics w/ Lab                                                                              | 4        |
| PHY140                         | Soil Science w/ Lab                                                                                        | 4        |
| PHY160                         | Earth Science                                                                                              | 3        |
| PHY162                         | Introduction to Astronomy                                                                                  | 3        |
| PHY163                         | Geology w/ Lab                                                                                             | 4        |
| PHY164                         | Atmospheric Science                                                                                        | 3        |
| PHY181                         | General Physics I w/ Lab                                                                                   | 5        |
| PHY201                         | Engineering Physics I w/ Lab                                                                               | 5        |
|                                | <b>Total Hours Required</b>                                                                                | <b>7</b> |

| Humanities & Fine Arts                                                                                                                                                           | (Complete a minimum of three courses from two disciplines) |                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------|
|                                                                                                                                                                                  | Course                                                     | Hours                           |
| ART101                                                                                                                                                                           | Art Survey & Appreciation I                                | 3                               |
| ART102                                                                                                                                                                           | Art Survey & Appreciation II                               | 3                               |
| ART110                                                                                                                                                                           | Drawing & Composition I <sup>1</sup>                       | 3                               |
| ART124                                                                                                                                                                           | Beginning Sculpture <sup>1</sup>                           | 3                               |
| ART201                                                                                                                                                                           | Painting I <sup>1</sup>                                    | 3                               |
| ART205                                                                                                                                                                           | Ceramics I <sup>1</sup>                                    | 3                               |
| DRM120                                                                                                                                                                           | Theater Appreciation                                       | 3                               |
| DRM150                                                                                                                                                                           | Acting I <sup>1</sup>                                      | 3                               |
| DRM160                                                                                                                                                                           | Children’s Theatre                                         | 3                               |
| DRM165                                                                                                                                                                           | Stage Makeup <sup>1</sup>                                  | 3                               |
| DRM215                                                                                                                                                                           | Directing <sup>1</sup>                                     | 3                               |
| FLN101                                                                                                                                                                           | Elementary Spanish                                         | 5                               |
| FLN102                                                                                                                                                                           | Intermediate Spanish                                       | 5                               |
| FLN111                                                                                                                                                                           | Elementary French                                          | 5                               |
| FLN112                                                                                                                                                                           | Intermediate French                                        | 5                               |
| FLN121                                                                                                                                                                           | Elementary Arabic                                          | 5                               |
| FLN122                                                                                                                                                                           | Intermediate Arabic                                        | 5                               |
| HST101                                                                                                                                                                           | Western Civilization I                                     | 3                               |
| HST102                                                                                                                                                                           | Western Civilization II                                    | 3                               |
| LAL115                                                                                                                                                                           | Introduction to Fiction Writing <sup>1</sup>               | 3                               |
| LAL116                                                                                                                                                                           | Introduction to Poetry Writing <sup>1</sup>                | 3                               |
| LAL117                                                                                                                                                                           | Introduction to Creative Nonfiction <sup>1</sup>           | 3                               |
| LAL120                                                                                                                                                                           | American Lit. Survey to 1870                               | 3                               |
| LAL121                                                                                                                                                                           | American Lit. Survey from 1870                             | 3                               |
| LAL125                                                                                                                                                                           | African-American Literature                                | 3                               |
| LAL150                                                                                                                                                                           | English Lit. Survey to 1750                                | 3                               |
| LAL151                                                                                                                                                                           | English Lit. Survey from 1750 to Pres.                     | 3                               |
| LAL153                                                                                                                                                                           | Intro. to Contemporary Literature                          | 3                               |
| LAL160                                                                                                                                                                           | Introduction to Film Studies                               | 3                               |
| LAL161                                                                                                                                                                           | History of Film                                            | 3                               |
| LAL210                                                                                                                                                                           | A Survey of World Literature I                             | 3                               |
| LAL211                                                                                                                                                                           | A Survey of World Literature II                            | 3                               |
| LAL250                                                                                                                                                                           | History & Dev. of the Short Story                          | 3                               |
| LAL255                                                                                                                                                                           | Women’s Literature                                         | 3                               |
| LAL265                                                                                                                                                                           | Shakespeare                                                | 3                               |
| LAL275                                                                                                                                                                           | Classical Mythology                                        | 3                               |
| MUS101                                                                                                                                                                           | Fundamentals of Music                                      | 3                               |
| MUS102                                                                                                                                                                           | Music Appreciation                                         | 3                               |
| MUS103                                                                                                                                                                           | History of Rock & Roll                                     | 3                               |
| MUS105                                                                                                                                                                           | Music of America                                           | 3                               |
| MUS106                                                                                                                                                                           | Music History I                                            | 3                               |
| MUS107                                                                                                                                                                           | Music History II                                           | 3                               |
| MUS130                                                                                                                                                                           | MACC Singers <sup>1</sup>                                  | 1                               |
| MUS131                                                                                                                                                                           | MACC Singers <sup>1</sup>                                  | 1                               |
| MUS137                                                                                                                                                                           | MACC Concert Band <sup>1</sup>                             | 1                               |
| MUS205                                                                                                                                                                           | World Music                                                | 3                               |
| MUS230                                                                                                                                                                           | MACC Singers <sup>1</sup>                                  | 1                               |
| PHI150                                                                                                                                                                           | Introduction to Philosophy                                 | 3                               |
| PHI151                                                                                                                                                                           | Introduction to Logic                                      | 3                               |
| PHI152                                                                                                                                                                           | Introduction to Ethics                                     | 3                               |
| PHI251                                                                                                                                                                           | Religions of the World                                     | 3                               |
| PHI252                                                                                                                                                                           | Hebrew Bible                                               | 3                               |
| PHI253                                                                                                                                                                           | Early Christian Sacred Texts                               | 3                               |
| <sup>1</sup> There is a limit of three (3) credit hours of Performance (PERF) courses that can be applied to the Humanities & Fine Arts Knowledge Area and to the total CORE 42. |                                                            |                                 |
|                                                                                                                                                                                  | Total Hours Required                                       | 9                               |
| Additional Core Transfer Curriculum Requirements                                                                                                                                 |                                                            | (Complete up to 5 credit hours) |
| Students must select courses listed above to fulfill any remaining hours in the core transfer curriculum.                                                                        |                                                            |                                 |
| End of 42-hour Core Transfer Curriculum                                                                                                                                          |                                                            |                                 |

| Electives                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (Complete courses to reach 60 credit hours. Maximum of 18 elective credit hours allowed for the degree.) |      |                                                    |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------|----------------------------------------------------|-----|
| Any course with the following prefixes will be accepted as electives within the Associate of Arts degree. (*LAL and MTH courses with numbers from 000-099 are developmental and do not serve as electives.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                          |      |                                                    |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | AGR                                                                                                      | EGN  | MS                                                 | PSC |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ART                                                                                                      | FLN  | MTH*                                               | PSY |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | BIO                                                                                                      | GEO  | MUS                                                | RXP |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DRM                                                                                                      | HST  | PHI                                                | SOC |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | EDU                                                                                                      | LAL* | PHY                                                | SPK |
| <ul style="list-style-type: none"><li>• Career and technical courses accepted as electives in MACC’s AA degree program include the following:<ul style="list-style-type: none"><li>ACC101: Accounting I</li><li>ACC102: Accounting II</li><li>ACC110: Personal Finance</li><li>All AGR (Agriculture Courses)</li><li>AVI101: Introduction to Aviation</li><li>BHS100: Introduction to Behavioral Health Support</li><li>BUS100: Introduction to Business</li><li>BUS112: Principles of Management</li><li>BUS113: Human Relations in Management</li><li>BUS120: Business Law</li><li>BUS150: Business Communication</li><li>ECN101: Macroeconomics</li><li>ECN102: Microeconomics</li><li>HSC 101 Introduction to Health Professions</li><li>HSC120: Health and Hygiene</li><li>HSC121: First Aid</li><li>HSC171: Medical Terminology</li><li>ITC (All ITC except ITC281, ITC282, ITC283, ITC295 &amp; ITC299)</li><li>MKT105: Principles of Marketing</li><li>PED101, 102, 203, 204: Life Sports</li><li>PED140: Methods and Techniques of Officiating I</li><li>PED141, 142, 241, 242: Varsity Sports/Basketball</li><li>PED150: Coaching Basketball</li><li>PED201: Introduction to Physical Education</li><li>SKL101: College Orientation</li><li>VTT100: Introduction to Veterinary Technology</li></ul></li></ul> |                                                                                                          |      |                                                    |     |
| Suggested STEM Electives                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                          |      |                                                    |     |
| BIO101: Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                          |      | MTH140: College Algebra                            |     |
| BIO105: Introduction Conservation Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                          |      | MTH142: Quantitative Reasoning                     |     |
| BIO135: Human Nutrition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                          |      | MTH145: Trigonometry                               |     |
| BIO150: General Zoology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                          |      | MTH150: Precalculus                                |     |
| BIO151: Introductory Plant Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                          |      | MTH160: Elementary Statistics                      |     |
| BIO155: General Biology for Majors I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                          |      | MTH165: Finite Mathematics                         |     |
| BIO160: General Biology for Majors II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                          |      | MTH190: Calculus for Business and Life Sciences    |     |
| BIO220: General Genetics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                          |      | MTH201: Analytic Geometry & Calculus I             |     |
| BIO205: Human Anatomy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                          |      | MTH202: Analytic Geometry & Calculus II            |     |
| BIO206: Microbiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                          |      | MTH203: Analytic Geometry & Calculus III           |     |
| BIO209: Physiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                          |      | MTH215: Introduction to Probability and Statistics |     |
| ITC106: IT Essentials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                          |      | MTH250: Differential Equations                     |     |
| ITC120: Programming I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                          |      | PHY121: General Chemistry I                        |     |
| ITC125: Object Oriented Programming I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                          |      | PHY122: General Chemistry II                       |     |
| ITC130: Introduction to Networks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                          |      | PHY125: Foundations of Physics                     |     |
| ITC145: Web Design I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                          |      | PHY160: Earth Science I                            |     |
| ITC150: Linux Administration I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                          |      | PHY162: Introduction to Astronomy                  |     |
| ITC153: Routing and Switching Essentials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                          |      | PHY163: Geology                                    |     |
| ITC201: Relational Database Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                          |      | PHY164: Atmospheric Science                        |     |
| ITC220: Programming II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                          |      | PHY181: General Physics I                          |     |
| ITC221: COBOL Programming                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                          |      | PHY182: General Physics II                         |     |
| ITC230: Wireless and Switching Essentials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                          |      | PHY201: Engineering Physics I                      |     |
| ITC231: Enterprise Networking                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                          |      | PHY202: Engineering Physics II                     |     |
| ITC243: Object Oriented Prog. II: Java                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                          |      | PHY222: Elementary Organic Chemistry               |     |
| ITC244: Object Oriented Prog. II: C#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                          |      |                                                    |     |
| ITC245: Web Design II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                          |      |                                                    |     |
| ITC247: Python Programming                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                          |      |                                                    |     |
| ITC250: Linux Administration II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                          |      |                                                    |     |
| ITC255: Cybersecurity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                          |      |                                                    |     |
| ITC258: Windows Server Management I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                          |      |                                                    |     |
| ITC259: Windows Server Management II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                          |      |                                                    |     |
| ITC265: Project Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                          |      |                                                    |     |
| ITC270: Cyber Regulation and Compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                          |      |                                                    |     |
| ITC271: Network Monitoring and Penetration Testing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                          |      |                                                    |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Total Hours Required                                                                                     |      |                                                    | 18  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Minimum Required Hours for Degree                                                                        |      |                                                    | 60  |