



# ACADEMIC AFFAIRS GUIDELINES

|                                |  |                          |
|--------------------------------|--|--------------------------|
| <b>Section 2.3</b>             | Academic Programs  |                          |
| <b>Title:</b>                  | General Education Curriculum Requirements  |                          |
| <b>Number (Current Format)</b> | <b>Number (Prior Format)</b>   | <b>Date Last Revised</b> |
| 2.3.7.A                        | III.D, 8.3   | 06/2025                  |
| <b>Reference:</b>              | <a href="#">BOR Policy 2.3.7</a> – Undergraduate General Education Requirements<br><a href="#">AAC Guideline 2.2.1.1.A</a> –Mathematics Placement Guidelines<br><a href="#">AAC Guideline 2.2.1.1.B</a> – English Placement Guidelines |                          |
| <b>Related Form(s):</b>        |  |                          |

## I. Purpose

- A. Board of Regents Policy 2.3.7 – Undergraduate General Education Requirements specifies that the General Education component of all associates and bachelor’s degree programs shall consist of a set of System General Education Requirements. Section D of the policy identifies the general goals for the system, and Academic Affairs Guidelines are intended to specify the skills to be developed in each course that satisfies the requirement through a common set of learning outcomes, and the list of approved courses. Students may only select general education courses from the approved list included in these guidelines. These requirements are effective for students entering Fall 2017.
- B. Policy further establishes that the courses permitted to meet System General Education Requirements are approved by the Board of Regents each year during the March meeting. The list of courses approved to meet each of the established system goals are maintained within these guidelines. Institutions are expected to retain a “limited” list of courses to meet system graduation requirements, which may not increase without formal approval by the Board of Regents.

## II. System General Education Requirements:

- A. **GOAL #1:** *Students will write effectively and responsibly and will understand and interpret the written expression of others.*

1. *Student Learning Outcomes: As a result of taking courses meeting this goal, students will:*
  - a. *Write using standard American English, including correct punctuation, grammar, and sentence structure,*
  - b. *Write logically,*

- c. *Write persuasively, with a variety of rhetorical strategies (e.g., expository, argumentative, descriptive), and*
- d. *Incorporate formal research and documentation into their writing, including research obtained through modern, technology-based research tools.*

*Each course meeting this goal must include the following student learning outcomes: a, b, c, and d.*

## 2. *Approved Courses*

| Prefix   | Number | Title of Course                                       | Credit Hours | BHSU | DSU | NSU | SDSMT | SDSU | USD |
|----------|--------|---|--------------|------|-----|-----|-------|------|-----|
| ANTH/SOC | 211    | Social Science Writing                                | 3            |      |     |     |       |      | x   |
| CJUS     | 202    | Writing & Research in Criminal Justice                | 3            |      |     |     |       |      | x   |
| ENGL     | 101    | Composition I   | 3            | x    | x   | x   | X     | x    | x   |
| ENGL     | 201    | Composition II  | 3            | x    | x   | x   | X     | x    | x   |
| ENGL     | 205    | Business Writing                                      | 3            |      |     |     |       |      | x   |
| ENGL     | 284    | Introduction to Criticism                             | 3            | x    | x   | x   |       | x    | x   |
| ENGL     | 277    | Tech Writing in Engineering                           | 3            |      |     |     |       | x    |     |
| ENGL     | 279    | Communications in the STEM Workplace                  | 3            |      |     |     | x     |      |     |
| ENGL     | 289    | STEM Communication for Technical and Public Audiences | 3            |      |     |     | x     |      |     |
| ENGL     | 283    | Introduction to Creative Writing                      | 3            | x    | x   | x   |       | x    | x   |
| POLS     | 202    | Writing & Research in Political Science               | 3            |      |     |     |       |      | x   |
| UHON     | 110    | Honors English  | 3            |      |     |     |       |      | x   |
| UHON     | 211    | Honors Interdisciplinary Civilizations II             | 3            |      |     |     |       |      | x   |

\*Currently: Engineering and sciences students at SDSM&T take this six credit sequence in the sophomore and junior years. Both courses develop written and speech communications in an integrated fashion in the context of the major. Students must finish the entire sequence.

NOTE: Student enrollment in the initial English course is determined by the Academic Affairs English Placement Guidelines ([AAC Guideline 2.2.1.1.B](#)).

## **B. GOAL #2: *Students will communicate effectively and responsibly through listening and speaking.***

1. *Student Learning Outcomes: As a result of taking courses meeting this goal, students will:*
  - a. *Demonstrate the ability to speak thoughtfully, clearly, and effectively in a variety of contexts.*
  - b. *Demonstrate active listening skills in a variety of contexts.*

*Each course meeting this goal must include the following student learning outcomes:  
a and b*

## *2. Approved Courses*

| <b>Prefix</b> | <b>Number</b> | <b>Title of Course</b>                                 | <b>Credit Hours</b> | <b>BHSU</b> | <b>DSU</b> | <b>NSU</b> | <b>SDSMT</b> | <b>SDSU</b> | <b>USD</b> |
|---------------|---------------|--|---------------------|-------------|------------|------------|--------------|-------------|------------|
| CMST          | 101           | Foundations of Communication                           | 3                   | x           | x          | x          | x            | x           | x          |
| CMST          | 215           | Public Speaking  | 3                   | x           | x          | x          |              | x           | x          |
| CMST          | 222           | Argumentation and Debate                               | 3                   | x           | x          | x          |              | x           | x          |
| ENGL          | 279           | Communications in the STEM Workplace                   | 3                   |             |            |            | x            |             |            |
| ENGL          | 289           | STEM Communications for Technical and Public Audiences | 3                   |             |            |            | x            |             |            |
| UHON          | 101           | Honors Speech Communication                            | 3                   |             |            |            |              |             | x          |

### **C. GOAL #3: Students will understand the organization, potential, and variability of the human community through study of the social sciences.**

*1. Student Learning Outcomes: As a result of taking courses meeting this goal, students will:*

- a. Identify and explain basic concepts, terminology, theories, and systems of inquiry of the selected social science disciplines.*
- b. Apply selected social science concepts and theories to contemporary or historical issues from different behavioral, cultural, institutional, temporal, or spatial contexts.*
- c. Analyze the extent and impact of variation among individuals, cultures, or societies in contemporary or historical contexts using social science methods and concepts.*

*Each course meeting this goal must include the following student learning outcomes:  
a, b, and c.*

- 2. Civics Requirement: One course must be completed to fulfill the civics requirement. Courses that satisfy this requirement are marked with [CIV].*
- 3. Prefix Requirement: Courses must be from different disciplines (different prefixes/subjects).*
- 4. SGR 3 Approved Courses*

| Prefix        | Number | Title of Course                                    | Credit Hours | BHSU | DSU | NSU | SDSMT | SDSU | USD |
|---------------|--------|--|--------------|------|-----|-----|-------|------|-----|
| ABS           | 203    | Global Food Systems                                | 3            |      |     |     |       | x    |     |
| AIS/HIST      | 257    | American Indian History & Culture                  | 3            | x    |     |     |       |      |     |
| ANTH          | 210    | Cultural Anthropology                              | 3            | x    | x   | x   | x     | x    | x   |
| ANTH          | 220    | Physical Anthropology                              | 3            |      |     |     |       |      | x   |
| ANTH          | 230    | Intro to Archaeology                               | 3            |      |     |     |       |      | x   |
| CJUS          | 201    | Intro to Criminal Justice                          | 3            |      |     | x   |       | x    | x   |
| CIV [CIV]     | 100    | American Civics                                    | 3            | x    | x   | x   | x     | x    | x   |
| CMST          | 201    | Interpersonal Communication                        | 3            | x    | x   | x   |       | x    | x   |
| ECON          | 201    | Principles of Microeconomics                       | 3            | x    | x   | x   | x     | x    | x   |
| ECON          | 202    | Principles of Macroeconomics                       | 3            | x    | x   | x   | x     | x    | x   |
| GEOG          | 101    | Intro to Geography                                 | 3            | x    | x   |     | x     | x    |     |
| GEOG          | 200    | Intro to Human Geography                           | 3            |      | x   | x   | x     | x    |     |
| GEOG          | 210    | World Regional Geography                           | 3            | x    |     | x   |       | x    | x   |
| GEOG          | 212    | Geography of North America                         | 3            |      |     | x   | x     | x    |     |
| GEOG          | 219    | Geography of South Dakota                          | 3            |      |     |     |       | x    |     |
| GLST          | 201    | Intro to Global Studies                            | 3            |      |     |     |       | x    |     |
| HDFS          | 141    | Individual and the Family                          | 3            |      |     |     |       | x    |     |
| HDFS/EPsy     | 210    | Lifespan Development                               | 3            |      | x   |     |       | x    | x   |
| HIST [CIV]    | 151    | US History I                                       | 3            | x    | x   | x   | x     | x    | x   |
| HIST [CIV]    | 152    | US History II                                      | 3            | x    | x   | x   | x     | x    | x   |
| HIST          | 256    | World History                                      | 3            |      | x   | x   |       |      |     |
| INED/AIS/NATV | 211    | South Dakota American Indian Culture and Education | 3            |      | x   |     |       | x    | x   |
| INFO/PHIL     | 102    | Data Ethics  | 3            |      |     |     |       | x    |     |
| NATV          | 110    | The Native Studies Discipline                      | 3            |      |     |     |       |      | x   |
| POLS [CIV]    | 100    | American Government                                | 3            | x    | x   | x   | x     | x    | x   |
| POLS          | 102    | American Political Issues                          | 3            |      |     |     | x     | x    |     |
| POLS          | 141    | Governments of the World                           | 3            | x    |     |     |       | x    | x   |
| POLS          | 165    | Political Ideologies                               | 3            |      |     |     | x     | x    |     |
| POLS          | 102    | American Political Issues                          | 3            |      |     |     | x     | x    |     |
| POLS [CIV]    | 210    | State & Local Government                           | 3            | x    | x   | x   |       | x    | x   |
| POLS          | 250    | Introduction to International Relations            | 3            | x    |     | x   | x     |      | x   |
| POLS          | 253    | Current World Issues                               | 3            |      |     |     |       | x    |     |
| PSYC          | 101    | General Psychology                                 | 3            | x    | x   | x   | x     | x    | x   |
| PSYC          | 102    | Psychology of Personal Growth                      | 3            |      |     |     | x     |      |     |

| Prefix    | Number | Title of Course                           | Credit Hours | BHSU | DSU | NSU | SDSMT | SDSU | USD |
|-----------|--------|---|--------------|------|-----|-----|-------|------|-----|
| REL       | 237    | Religion in American Culture              | 3            |      |     |     |       | x    |     |
| SOC       | 100    | Introduction to Sociology                 | 3            | x    | x   | x   | x     | x    | x   |
| SOC       | 150    | Social Problems                           | 3            | x    | x   | x   | x     | x    | x   |
| SOC       | 151    | Social Issues in Sustainability           | 3            | x    |     |     |       |      |     |
| SOC       | 240    | Sociology of Rural America                | 3            |      | x   |     |       | x    |     |
| SOC       | 250    | Courtship & Marriage                      | 3            |      |     | x   | x     | x    | x   |
| SOC       | 285    | Society and Technology                    | 3            |      | x   |     | x     |      |     |
| SUST/GEOG | 111    | Sustainable Society                       | 3            |      |     |     |       | x    | x   |
| UHON      | 111    | Ideas in History                          | 3            |      |     |     |       |      | x   |
| UHON      | 210    | Interdisciplinary Civilizations I         | 3            |      |     |     |       |      | x   |
| WMST      | 247    | Introduction to Women, Gender & Sexuality | 3            |      |     |     |       | x    | x   |

**D. GOAL #4: Students will understand the variability and complexity of the human experience through study of the arts and humanities**

1. *Student Learning Outcomes: As a result of taking courses meeting this goal, students will*
  - a. *Demonstrate knowledge of the variability of values, beliefs, practices or ideas embodied in the human experience, and*
  - b. *Demonstrate basic understanding of concepts of the selected discipline within the arts and humanities*

*And at least one of the following:*

- c. *Demonstrate ability to express creative, aesthetic, formal or stylistic elements of the disciplines.*
- d. *Demonstrate foundational competency in reading, writing, and speaking a non-English language.*
- e. *Identify and explain cultural contributions from the perspective of the selected disciplines within the arts and humanities.*

*Each course meeting this goal includes the following student learning outcomes:*

- *Required: a and b*
- *At least one of the following: c, d, or e.*

2. *Prefix/Course Requirement: Courses must be from different disciplines (different prefixes/subject codes) except for foreign language. Foreign languages may have two sections of the same prefix/subject.*

3. *Approved Courses:*

| Prefix        | Number | Title of Course                 | Credit Hours | BHSU | DSU | NSU | SDSMT | SDSU | USD |
|---------------|--------|---------------------------------|--------------|------|-----|-----|-------|------|-----|
| ARAB          | 101    | Introductory Arabic I           | 4            |      |     |     |       | x    | x   |
| ARAB          | 102    | Introductory Arabic II          | 4            |      |     |     |       | x    | x   |
| ARCH          | 241    | Construction History            | 3            |      |     |     |       | x    |     |
| ART           | 101    | Introduction to Fine Arts       | 3            |      |     |     |       |      | x   |
| ART           | 111    | Drawing I                       | 3            | x    | x   | x   | x     | x    | x   |
| ART           | 112    | Drawing II                      | 3            | x    |     | x   |       | x    | x   |
| ART/DSGN      | 121    | Design I 2D                     | 3            | x    | x   | x   | x     | x    | x   |
| ART           | 123    | Three Dimensional Design        | 3            | x    | x   | x   |       | x    | x   |
| ARTH          | 100    | Art Appreciation                | 3            | x    | x   | x   | x     | x    | x   |
| ARTH          | 121    | Intro to the Visual Arts        | 3            | x    |     |     |       |      |     |
| ARTH/HIST     | 211    | History of World Art I          | 3            | x    | x   | x   |       | x    | x   |
| ARTH/HIST     | 212    | History of World Art II         | 3            | x    | x   | x   | x     | x    | x   |
| ARTH/AIS/NATV | 251    | American Indian Art History     | 3            | x    |     |     |       |      | x   |
| CHIN          | 101    | Introductory Chinese I          | 4            |      | x   | x   |       | x    | x   |
| CHIN          | 102    | Introductory Chinese II         | 4            |      | x   | x   |       | x    | x   |
| DCOM/HUM      | 101    | American Sign Language I        | 3            | x    |     |     |       |      | x   |
| DCOM          | 102    | American Sign Language II       | 3            |      |     |     |       |      | x   |
| ENGL          | 115    | American Indian Oral Literature | 3            | x    |     |     |       |      |     |
| ENGL          | 210    | Introduction to Literature      | 3            | x    | x   | x   | x     | x    | x   |
| ENGL          | 211    | Early World Literature          | 3            | x    | x   |     |       | x    |     |
| ENGL          | 212    | Modern World Literature         | 3            | x    | x   |     | x     | x    | x   |
| ENGL          | 213    | Backgrounds to Literature       | 3            |      |     | x   |       |      |     |
| ENGL          | 214    | American Indian Literature      | 3            | x    |     |     |       |      | x   |
| ENGL          | 215    | Literature in Global Contexts   | 3            |      |     | x   |       |      |     |
| ENGL          | 221    | British Literature to 1800      | 3            | x    | x   | x   | x     | x    | x   |
| ENGL          | 222    | British Literature Since 1800   | 3            | x    | x   | x   | x     | x    | x   |
| ENGL          | 230    | Literature for Younger Readers  | 3            |      |     | x   |       |      |     |
| ENGL          | 240    | Juvenile Literature             | 3            |      |     |     |       | x    |     |
| ENGL          | 241    | American Literature to 1865     | 3            | x    | x   | x   | x     | x    | x   |
| ENGL          | 242    | American Literature Since 1865  | 3            | x    | x   | x   | x     | x    | x   |
| ENGL/WMST     | 248    | Women in Literature             | 3            | x    |     |     |       | x    |     |
| ENGL          | 249    | Literature of Diverse Cultures  | 3            |      |     |     |       | x    |     |
| ENGL          | 250    | Science Fiction                 | 3            |      |     |     | x     | x    |     |

| Prefix   | Number | Title of Course                                     | Credit Hours | BHSU | DSU | NSU | SDSMT | SDSU | USD |
|----------|--------|---|--------------|------|-----|-----|-------|------|-----|
| ENGL     | 268    | Literature  | 3            |      | x   |     |       | x    |     |
| FREN     | 101    | Introductory French I                               | 4            | x    |     | x   | x     | x    | x   |
| FREN     | 102    | Introductory French II                              | 4            | x    |     | x   | x     | x    | x   |
| FREN     | 201    | Intermediate French I                               | 4            | x    |     | x   |       | x    | x   |
| FREN     | 202    | Intermediate French II                              | 4            | x    |     | x   |       | x    | x   |
| GER/GLAN | 101    | Introductory German I                               | 4            | x    |     | x   | x     | x    | x   |
| GER/GLAN | 102    | Introductory German II                              | 4            | x    |     | x   | x     | x    | x   |
| GER/GLAN | 201    | Intermediate German I                               | 3            | x    |     | x   |       | x    | x   |
| GER/GLAN | 202    | Intermediate German II                              | 3            | x    |     | x   |       | x    | x   |
| GREE     | 101    | Elementary Greek                                    | 4            |      |     |     |       |      | x   |
| GREE     | 102    | Advanced Elementary Greek                           | 4            |      |     |     |       |      | x   |
| HIST     | 111    | World Civilization I                                | 3            |      | x   | x   |       | x    | x   |
| HIST     | 112    | World Civilization II                               | 3            |      | x   | x   |       | x    | x   |
| HIST     | 121    | Western Civilization I                              | 3            | x    | x   | x   | x     | x    | x   |
| HIST     | 122    | Western Civilization II                             | 3            | x    | x   | x   | x     | x    | x   |
| HUM      | 100    | Intro to Humanities                                 | 3            | x    |     |     | x     |      | x   |
| HUM      | 200    | Connections: Humanities/Tech                        | 3            |      |     |     | x     |      |     |
| HUM      | 250    | Environmental Ethics and STEM                       | 3            |      |     |     | x     |      |     |
| LAKL/AIS | 101    | Introductory Lakota I                               | 4            | x    |     | x   |       | x    | x   |
| LAKL/AIS | 102    | Introductory Lakota II                              | 4            | x    |     |     |       | x    | x   |
| LAKL/AIS | 201    | Intermediate Lakota I                               | 3            | x    |     |     |       | x    | x   |
| LAKL/AIS | 202    | Intermediate Lakota II                              | 3            | x    |     |     |       | x    | x   |
| LATI     | 101    | Elementary Latin                                    | 4            |      |     | x   |       | x    | x   |
| LATI     | 102    | Advanced Elementary Latin                           | 4            |      |     |     |       | x    | x   |
| MCOM     | 151    | Intro to Mass Communications                        | 3            | x    |     |     |       | x    | x   |
| MCOM     | 160    | Introduction to Film                                | 3            |      |     |     |       | x    |     |
| MFL      | 101    | Intro to Foreign Lang & Culture I                   | 4            |      |     | x   |       | x    | x   |
| MFL      | 102    | Intro to Foreign Lang & Culture II                  | 4            |      |     | x   |       | x    | x   |
| MFL      | 134    | Foreign Cultures                                    | 3            |      |     |     |       | x    |     |
| MUS      | 100    | Music Appreciation                                  | 3            | x    | x   | x   |       | x    | x   |
| MUS      | 117    | Music in Performance I (University Choir)           | 1            |      |     |     | x     |      | x   |
| MUS      | 130    | Music Lit and History I                             | 2            |      |     |     |       | x    |     |
| MUS      | 131    | Music Lit and History II                            | 3            |      |     |     |       | x    |     |
| MUS      | 200    | American Music                                      | 3            | x    |     |     |       |      |     |
| MUS      | 201    | History of Country Music                            | 3            |      |     |     |       | x    |     |
| MUS      | 203    | Blues, Jazz and Rock                                | 3            |      |     |     |       | x    |     |
| MUS      | 205    | History, Analysis and Appreciation of Rock and Roll | 3            |      |     | x   |       |      |     |
| MUS      | 240    | Music Cultures of the World                         | 3            |      |     |     |       |      | x   |

| Prefix    | Number | Title of Course                                 | Credit Hours | BHSU | DSU | NSU | SDSMT | SDSU | USD |
|-----------|--------|---|--------------|------|-----|-----|-------|------|-----|
| PHIL/CLHU | 100    | Intro to Philosophy                             | 3            | x    | x   | x   | x     | x    | x   |
| PHIL      | 200    | Introduction to Logic                           | 3            | x    | x   | x   | x     | x    | x   |
| PHIL      | 215    | Intro to Social/Political Philosophy            | 3            |      |     |     |       | x    | x   |
| PHIL      | 220    | Introduction to Ethics                          | 3            | x    | x   |     | x     | x    | x   |
| PHIL      | 233    | Philosophy and Literature                       | 3            |      |     |     | x     |      | x   |
| PHIL      | 240    | Introduction to Ethics, Law, and Society        | 3            |      |     |     |       |      | x   |
| PHIL      | 242    | Ethics, Law, and Literature                     | 3            |      |     |     |       |      | x   |
| PHIL      | 270    | Philosophy of Religion                          | 3            |      |     | x   |       |      |     |
| REL       | 213    | Introduction to Religion                        | 3            |      |     |     |       | x    |     |
| REL       | 224    | Old Testament                                   | 3            |      |     |     |       | x    |     |
| REL       | 225    | New Testament                                   | 3            |      |     |     |       | x    | x   |
| REL/AIS   | 238    | Native American Religions                       | 3            |      |     |     |       | x    |     |
| REL       | 250    | World Religions                                 | 3            |      |     |     | x     | x    | x   |
| RUSS      | 101    | Introductory Russian I                          | 4            | x    | x   | x   |       | x    | x   |
| RUSS      | 102    | Introductory Russian II                         | 4            | x    | x   | x   |       | x    | x   |
| SPAN      | 101    | Introductory Spanish I                          | 4            | x    | x   | x   | x     | x    | x   |
| SPAN      | 102    | Introductory Spanish II                         | 4            | x    | x   | x   | x     | x    | x   |
| SPAN      | 201    | Intermediate Spanish I                          | 3            | x    | x   | x   |       | x    | x   |
| SPAN      | 202    | Intermediate Spanish II                         | 3            | x    | x   | x   |       | x    | x   |
| STS       | 201    | Introduction to Science, Technology and Society | 3            |      |     |     | x     |      |     |
| THEA      | 100    | Introduction to Theatre                         | 3            | x    | x   | x   |       | x    | x   |
| THEA      | 131    | Introduction to Acting                          | 3            | x    | x   | x   |       | x    | x   |
| THEA      | 200    | Theatre History                                 | 3            |      | x   |     |       |      |     |
| THEA      | 201    | Film Appreciation                               | 3            |      | x   |     |       |      | x   |
| THEA      | 231    | Acting I  | 3            |      |     |     |       |      | x   |
| THEA      | 270    | History of World Cinema                         | 3            | x    |     |     |       |      |     |

**E. GOAL #5: *Students will understand and apply fundamental mathematical processes and reasoning.***

*1. Student Learning Outcomes: As a result of taking courses meeting this goal, students will:*

- a. Use mathematical symbols and mathematical structure to model and solve real world problems,*
- b. Demonstrate appropriate communication skills related to mathematical terms and concepts.*

*Each course meeting this goal must include the following student learning outcomes: a, and b.*



## 2. Approved Courses

| Prefix    | Number   | Title of Course        | Credit Hours | BHSU | DSU | NSU | SDSMT | SDSU | USD |
|-----------|----------|------------------------|--------------|------|-----|-----|-------|------|-----|
| MATH      | 103/103L | Mathematical Reasoning | 4            | x    | x   | x   |       | x    | x   |
| MATH      | 104      | Finite Math            | 4            | x    | x   | x   |       |      | x   |
| MATH      | 114      | College Algebra        | 3            | x    | x   | x   | x     | x    | x   |
| MATH      | 115      | Precalculus            | 5            | x    | x   | x   | x     | x    | x   |
| MATH      | 120      | Trigonometry           | 3            | x    | x   | x   | x     | x    | x   |
| MATH      | 121      | Survey of Calculus     | 4            | x    | x   | x   |       | x    | x   |
| MATH      | 123      | Calculus               | 4            | x    | x   | x   | x     | x    | x   |
| MATH      | 125      | Calculus II            | 4            | x    | x   | x   | x     | x    | x   |
| MATH      | 201      | Intro to Discrete Math | 3            |      | x   |     |       |      |     |
| MATH      | 216      | Discrete Structures    | 3            |      |     | x   |       |      | x   |
| MATH      | 225      | Calculus III           | 4            | x    | x   | x   | x     | x    | x   |
| MATH/STAT | 281      | Statistics             | 3            | x    | x   | x   | x     | x    | x   |

NOTE: Student enrollment in the initial Mathematics course is determined by the Academic Affairs Mathematics Placement Guidelines ([AAC Guideline 2.2.1.1.A](#)).

### **F. GOAL #6: Students will understand the fundamental principles of the natural sciences and apply scientific methods of inquiry to investigate the natural world.**

1. *Student Learning Outcomes: As a result of taking courses meeting this goal, students will:*

- Explain the nature of science including how scientific explanation are formulated, tested, and modified or validated.*
- Distinguish between scientific and non-scientific evidence and explanations, and use scientific evidence to construct arguments related to contemporary issues.*
- Apply basic observational, quantitative, or technological methods to gather and analyze data and generate evidence-based conclusions in a laboratory setting.*
- Understand and apply foundational knowledge and discipline-specific concepts to address issues, solve problems, or predict natural phenomena.*

*Each course meeting this goal must include the following student learning outcomes: a, b, c and d*

## 2. Approved Courses

| Prefix | Number   | Title of Course                      | Credit Hours | BHSU | DSU | NSU | SDSMT | SDSU | USD |
|--------|----------|--------------------------------------|--------------|------|-----|-----|-------|------|-----|
| ASC    | 121/121L | Science: The Core of Discovery I     | 4            |      | x   |     |       |      |     |
| BIOL   | 101/101L | Biology Survey I and Lab             | 3-4          | x    | x   | x   |       | x    | x   |
| BIOL   | 103/103L | Biology Survey II and Lab            | 3-4          | x    | x   | x   |       | x    | x   |
| BIOL   | 104/104L | Foundations of Biology for Educators | 2            |      |     |     |       |      | x   |

| Prefix    | Number   | Title of Course                                | Credit Hours | BHSU | DSU | NSU | SDSMT | SDSU | USD |
|-----------|----------|--|--------------|------|-----|-----|-------|------|-----|
| BIOL      | 106/106L | Human Health and Biology                       | 3            |      | x   | x   |       |      |     |
| BIOL      | 151/151L | General Biology I and Lab                      | 4            | x    | x   | x   | x     | x    | x   |
| BIOL      | 153/153L | General Biology II and Lab                     | 4            | x    | x   | x   | x     | x    | x   |
| BIOL      | 165/165L | General Zoology/Lab                            | 4            |      | x   |     |       |      |     |
| BIOL/BOT  | 201/201L | General Botany/Lab                             | 3-4          |      | x   |     |       | x    |     |
| BIOL      | 211/211L | Environmental Biology                          | 3            |      | x   | x   |       |      |     |
| BIOL      | 235/235L | Introduction to Biotechnology                  | 3            |      |     | x   |       | x    |     |
| CHEM      | 104/104L | Foundations of Chemistry for Educators         | 2            |      |     |     |       |      | x   |
| CHEM      | 106/106L | Chemistry Survey and Lab                       | 4            | x    |     | x   | x     | x    | x   |
| CHEM      | 107/107L | Organic and Biochemistry Survey/Lab            | 4            | x    |     |     |       |      | x   |
| CHEM      | 108/108L | Organic & Biochemistry/Lab                     | 5            |      |     | x   |       | x    |     |
| CHEM      | 112/112L | General Chemistry I & Lab                      | 4            | x    | x   | x   | x     | x    | x   |
| CHEM      | 114/114L | General Chemistry II & Lab                     | 4            | x    | x   | x   | x     | x    | x   |
| CHEM      | 116/116L | Honors Principles of Chemistry                 | 4            |      |     |     |       |      | x   |
| ESCI      | 101/101L | Dynamic Earth                                  | 4            |      |     |     |       |      | x   |
| ESCI      | 103/103L | Earth and Life Through Time                    | 4            |      |     |     |       |      | x   |
| ESCI      | 104/104L | Foundations of Earth Science for Educators     | 2            |      |     |     |       |      | x   |
| GEOG      | 131/131L | Physical Geography Weather/Climates            | 4            |      | x   | x   |       | x    |     |
| GEOG      | 132/132L | Physical Geography Natural Landscapes          | 4            |      | x   | x   |       | x    |     |
| GEOL      | 101/101L | General Geology                                | 3            |      |     | x   |       |      |     |
| GEOL      | 201/201L | Physical Geology and Lab                       | 4            | x    |     |     | x     |      |     |
| GEOL      | 203/203L | Historical Geology                             | 4            | x    |     |     |       |      |     |
| HSC       | 280/280L | Essentials of Human Anatomy and Physiology/Lab | 5            |      |     |     |       |      | x   |
| ISCI      | 151/151L | Integrated Science I/Lab                       | 4            |      |     |     |       |      | x   |
| ISCI      | 153/153L | Integrated Science II/Lab                      | 4            |      |     |     |       |      | x   |
| MICR      | 231/231L | General Microbiology                           | 4            |      |     | x   |       | x    |     |
| MTRO      | 101/101L | Meteorology/Meteorology Lab                    | 4            |      |     |     |       |      | x   |
| PHGY/BIOL | 220/220L | Human Anatomy/Physiology I                     | 4            |      |     | x   |       |      | x   |
| PHGY/BIOL | 230/230L | Human Anatomy/Physiology II                    | 4            |      |     | x   |       |      | x   |
| PHYS      | 101/101L | Survey of Physics/Lab                          | 3-4          | x    |     | x   |       | x    |     |
| PHYS      | 104/104L | Foundations of Physics for Educators           | 2            |      |     |     |       |      | x   |
| PHYS      | 207/207L | Fundamentals of Physics I/Lab                  | 4            |      |     | x   | x     | x    |     |

| Prefix | Number   | Title of Course                    | Credit Hours | BHSU | DSU | NSU | SDSMT | SDSU | USD |
|--------|----------|------------------------------------|--------------|------|-----|-----|-------|------|-----|
| PHYS   | 209/209L | Fundamentals of Physics II/Lab     | 4            |      |     | X   | x     | x    |     |
| PHYS   | 111/111L | Intro to Physics I and Lab         | 3-4          | x    | x   | X   | x     | x    | x   |
| PHYS   | 113/113L | Intro to Physics II and Lab        | 3-4          | x    | x   | x   | x     | x    | x   |
| PHYS   | 185/185L | Solar System Astronomy/Lab         | 3            | x    | x   |     |       | x    | x   |
| PHYS   | 187/187L | Stars, Galaxies, and Cosmology/Lab | 3            |      | x   |     |       | x    | x   |
| PHYS   | 211/211L | University Physics I & Lab         | 4-5          | x    | x   | x   | x     | x    | x   |
| PHYS   | 213/213L | University Physics II & Lab        | 4-5          | x    | x   | x   | x     | x    | x   |
| PS     | 213/213L | Soils and Lab                      | 3            |      |     |     |       | x    |     |
| PS     | 243      | Principals of Geology              | 3            |      |     |     |       | x    |     |
| RANG   | 205/L    | Introduction to Range Management   | 3            |      |     |     |       | x    |     |
| SUST   | 113/113L | Sustainable Environment/Lab        | 3-4          |      |     |     |       |      | x   |

### SOURCE:

AAC August 2016; March 2017 (Clerical); AAC November 2017; December 2017 (Clerical); AAC August 2018; October 2018 (Clerical); December 2018 (Clerical); BOR May 2019; AAC May 2019; February 2020 (Clerical); BOR May 2020; AAC March 2022; AAC May 2022; AAC July 2022; September 2022 (Clerical); BOR April 2024; AAC June 2025.