

# University of North Georgia

## Core Plan of Study- Natural Sciences Pathway

Name: ID#: Degree: Catalog: Grad. Semester:

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See Second Page for Core IMPACTS

Institutional Priority (7 hrs.)

| Course        | Sem. | Hrs. | Grd. |
|---------------|------|------|------|
| Modern Lang.* |      |      |      |
| Global        |      |      |      |

\*Modern language courses at the 1001 and 1002 level are 4 credit hours.\*

Field of Study: Biology Focus

| Course | Sem. | Hrs. | Grd. |
|--------|------|------|------|
|--------|------|------|------|

Mathematics & Quantitative Skills\* (3 hrs.)

Mathematics  
\*Complete by 30 hours.

Political Science and U.S. History (3 hrs.)

Citizenship

Field of Study: Chemistry Focus

Arts, Humanities, & Ethics (6 hrs.)

Lit. or Lang.  
Fine Arts/Phil.

If MATH 1113 is used in MATH:

If MATH 1450 is used in MATH, select at least 3 hrs.:

Communicating in Writing\* (6 hrs.)

English 1101  
English 1102

\*A grade of C or higher is required. Complete by 30 hours.

Field of Study: Physics Focus

Technology, Mathematics, & Sciences (11 hrs.)

Lab Science  
Lab Science  
Math & Tech.

If MATH 1113 is used in MATH, select at least 5 hrs.:

Social Sciences (6 hrs.)

Behavioral Sci.  
Social Science

If MATH 1450 is used in MATH, select at least 4 hrs.:

Required Course (1 hr.)

UNG 1101

Comments:

Graduation Requirements:

- US History
- US Constitution
- 15 Hours Residency
- Minimum 2.0 Institutional & Cumulative GPA
- Successful Completion of UNG 1101
- GA History
- GA Constitution
- Minimum 60 Core Hours

# UNIVERSITY OF NORTH GEORGIA CORE IMPACTS

Courses may have prerequisites or registration restrictions.  
Review course descriptions in the Academic Catalog before registering.  
**Courses may appear in multiple areas, but cannot be applied to more than one area.**

| INSTITUTIONAL PRIORITY (7 HOURS)                                                         |                                                    |     |
|------------------------------------------------------------------------------------------|----------------------------------------------------|-----|
| MODERN LANGUAGE (3-4 HOURS). CHOOSE ONE:                                                 |                                                    |     |
| Any Non-English Language at the 1001, 1002, 2001, or 2002 Level                          |                                                    | 3-4 |
| GLOBAL (3-4 HOURS). CHOOSE ONE OR TWO:                                                   |                                                    |     |
| ANTH 1102                                                                                | Introduction to Anthropology                       | 3   |
| CGLO 1503                                                                                | Contemporary Global Topics                         | 3   |
| COMM 1503                                                                                | Intercultural Communication                        | 3   |
| DVRS 1503                                                                                | Studies in Diversity Issues                        | 3   |
| ENGL 2111                                                                                | World Literature I                                 | 3   |
| ENGL 2112                                                                                | World Literature II                                | 3   |
| ENGL 2160                                                                                | Multicultural American Literature                  | 3   |
| ENST 2030                                                                                | Environmental Studies & Sustainability             | 3   |
| GEOG 1101                                                                                | Introduction to Human Geography                    | 3   |
| GEOG 1102                                                                                | World Regional Geography                           | 3   |
| HIST 1111                                                                                | World History I                                    | 3   |
| HIST 1112                                                                                | World History II                                   | 3   |
| HIST 2860/RELG 2860                                                                      | History of World Religions                         | 3   |
| INED 2902/2903                                                                           | Special Topics in International Perspectives       | 2-3 |
| PHIL 2200                                                                                | Ethics from a Global Perspective                   | 3   |
| POLS 1153                                                                                | Global Citizenship                                 | 3   |
| POLS 2301                                                                                | Introduction to Comparative Politics               | 3   |
| POLS 2401                                                                                | Global Issues                                      | 3   |
| SOCI 1160                                                                                | Introduction to Social Problems                    | 3   |
| MATHEMATICS & QUANTITATIVE SKILLS (3 HOURS)                                              |                                                    |     |
| MATHEMATICS (3 HOURS). CHOOSE ONE:                                                       |                                                    |     |
| MATH 1001                                                                                | Quantitative Skills & Reasoning                    | 3   |
| MATH 1101                                                                                | Mathematical Models                                | 3   |
| MATH 1111                                                                                | College Algebra                                    | 3   |
| MATH 1113                                                                                | Pre-Calculus                                       | 3   |
| MATH 1450 (1501)                                                                         | Calculus I ( <i>1 hour can be used elsewhere</i> ) | 4   |
| <i>MATH 1111 or higher required for Nursing majors.</i>                                  |                                                    |     |
| <i>MATH 1111 recommended for Business majors (required for BBA degrees).</i>             |                                                    |     |
| <i>MATH 1113 or 1450 required for all College of Science and Mathematics degrees.</i>    |                                                    |     |
| POLITICAL SCIENCE AND U.S. HISTORY (3 HOURS)                                             |                                                    |     |
| CITIZENSHIP (3 HOURS). CHOOSE ONE:                                                       |                                                    |     |
| HIST 2111                                                                                | U.S. History I                                     | 3   |
| HIST 2112                                                                                | U.S. History II                                    | 3   |
| POLS 1101                                                                                | American Government                                | 3   |
| ARTS, HUMANITIES, & ETHICS (6 HOURS)                                                     |                                                    |     |
| LITERATURE OR LANGUAGE (3 HOURS) CHOOSE ONE:                                             |                                                    |     |
| Any Non-English Language at the 2001 or 2002 Level                                       |                                                    | 3   |
| ENGL 2111                                                                                | World Literature I                                 | 3   |
| ENGL 2112                                                                                | World Literature II                                | 3   |
| ENGL 2115                                                                                | Gender and Literature                              | 3   |
| ENGL 2121                                                                                | British Literature I                               | 3   |
| ENGL 2122                                                                                | British Literature II                              | 3   |
| ENGL 2131                                                                                | American Literature I                              | 3   |
| ENGL 2132                                                                                | American Literature II                             | 3   |
| ENGL 2143                                                                                | African American Literature                        | 3   |
| ENGL 2145                                                                                | Native American Literature                         | 3   |
| ENGL 2150/MDST 2150                                                                      | Literature and Film                                | 3   |
| ENGL 2160                                                                                | Multicultural American Literature                  | 3   |
| ENGL 2165                                                                                | Survey of Latina/o U.S. Literature                 | 3   |
| <i>Note: A "C" or better in ENGL 1102 is a prerequisite for ENGL 21XX and MDST 2150.</i> |                                                    |     |
| FINE ARTS OR PHILOSOPHY (3 HOURS). CHOOSE ONE:                                           |                                                    |     |
| ART(S) 1100                                                                              | Art Appreciation                                   | 3   |
| ART 2510                                                                                 | Introduction to Art History I                      | 3   |
| ART 2520                                                                                 | Introduction to Art History II                     | 3   |
| COMM 1110                                                                                | Public Speaking                                    | 3   |
| COMM 2050                                                                                | Media, Culture, and Society                        | 3   |
| MDST 1110                                                                                | Film Appreciation                                  | 3   |
| MUSC 1100                                                                                | Music Appreciation                                 | 3   |
| PHIL 2010                                                                                | Introduction to Philosophy                         | 3   |
| PHIL 2200                                                                                | Ethics from a Global Perspective                   | 3   |
| THEA 1100                                                                                | Theatre Appreciation                               | 3   |

| COMMUNICATING IN WRITING (6 HOURS)                                                     |                                                            |   |
|----------------------------------------------------------------------------------------|------------------------------------------------------------|---|
| WRITING (6 HOURS). TAKE BOTH:                                                          |                                                            |   |
| ENGL 1101                                                                              | English Composition I                                      | 3 |
| ENGL 1102                                                                              | English Composition II                                     | 3 |
| <i>Note: A "C" or better is required in both ENGL 1101 &amp; ENGL 1102.</i>            |                                                            |   |
| TECHNOLOGY, MATHEMATICS, & SCIENCES (11 HOURS)                                         |                                                            |   |
| STUDENTS SHOULD CONSULT WITH AN ADVISOR:                                               |                                                            |   |
| STEM MAJORS (8 HOURS). CHOOSE TWO, IN A SEQUENCE:                                      |                                                            |   |
| NON-SCIENCE MAJORS (8 HOURS). CHOOSE ANY TWO:                                          |                                                            |   |
| ASTR 1010/L                                                                            | Astronomy of the Solar System and Lab                      | 4 |
| ASTR 1020/L                                                                            | Stellar and Galactic Astronomy and Lab                     | 4 |
| BIOL 1012K                                                                             | Introduction to Biology II and Lab                         | 4 |
| BIOL 1101K/1011K                                                                       | Biology: A Human Perspective/Intro. to Biology I and Lab   | 4 |
| BIOL 1102K                                                                             | Introduction to Ecology and Lab                            | 4 |
| BIOL 1107K                                                                             | Principles of Biology I and Lab                            | 4 |
| BIOL 1108K                                                                             | Principles of Biology II and Lab                           | 4 |
| BIOL 1260K                                                                             | Environmental Science and Lab                              | 4 |
| CHEM 1151/L (1151K)                                                                    | Survey of Chemistry I and Lab                              | 4 |
| CHEM 1152/L (1152K)                                                                    | Survey of Chemistry II and Lab                             | 4 |
| CHEM 1211/L (1211K)                                                                    | Principles of Chemistry I and Lab                          | 4 |
| CHEM 1212/L (1212K)                                                                    | Principles of Chemistry II and Lab                         | 4 |
| ENVS 2111K                                                                             | Physical Environmental Science and Lab                     | 4 |
| ENVS 2112K                                                                             | Environmental Management & Sustainability and Lab          | 4 |
| GEOG 1111K                                                                             | Introduction to Physical Geography and Lab                 | 4 |
| GEOG 1112/L                                                                            | Introduction to Weather & Climate and Lab                  | 4 |
| GEOG/GEOL 1530K                                                                        | Introduction to Oceanography and Lab                       | 4 |
| GEOL 1101K                                                                             | Survey of Environmental Geohazards and Lab                 | 4 |
| GEOL 1121K                                                                             | Physical Geology and Lab                                   | 4 |
| GEOL 1122K                                                                             | Historical Geology and Lab                                 | 4 |
| PHYS 1111/L (1111K)                                                                    | Introductory Physics I and Lab                             | 4 |
| PHYS 1112/L (1112K)                                                                    | Introductory Physics II and Lab                            | 4 |
| PHYS 2211/L (2211K)                                                                    | Principles of Physics I and Lab                            | 4 |
| PHYS 2212/L (2212K)                                                                    | Principles of Physics II and Lab                           | 4 |
| MATHEMATICS AND TECHNOLOGY (3 HOURS). CHOOSE ONE:                                      |                                                            |   |
| MATH 1113                                                                              | Pre-Calculus                                               | 3 |
| MATH 1401                                                                              | Elementary Statistics                                      | 3 |
| MATH 1450 (1501)                                                                       | Calculus I ( <i>1 hour can be used elsewhere</i> )         | 4 |
| MATH 2040                                                                              | Brief Calculus                                             | 3 |
| MATH 2460                                                                              | Calculus II ( <i>1 hour can be used elsewhere</i> )        | 4 |
| MATH 2510                                                                              | Introduction to Discrete Mathematics                       | 3 |
| CSCI 1250                                                                              | Information Technologies ( <i>non-science majors</i> )     | 3 |
| CSCI 1301 (1301K)                                                                      | Computer Science I                                         | 4 |
| CSCI 1371                                                                              | Computing for Scientists and Engineers*                    | 4 |
| DATA 1501                                                                              | Introduction to Data Science ( <i>non-science majors</i> ) | 3 |
| GISC 2011/L                                                                            | Geographic Information Science and Lab                     | 3 |
| <i>*Designed for students majoring in Physics or Dual Degree/Engineering Programs.</i> |                                                            |   |
| SOCIAL SCIENCES (6 HOURS)                                                              |                                                            |   |
| BEHAVIORAL SCIENCE (3 HOURS). CHOOSE ONE:                                              |                                                            |   |
| ANTH 1102                                                                              | Introduction to Anthropology                               | 3 |
| ECON 2105                                                                              | Principles of Macroeconomics                               | 3 |
| ECON 1101                                                                              | Economics of Financial Literacy                            | 3 |
| PSYC 1101                                                                              | Introduction to Psychology                                 | 3 |
| SOCI 1101                                                                              | Introduction to Sociology                                  | 3 |
| SOCIAL SCIENCE (3 HOURS). CHOOSE ONE:                                                  |                                                            |   |
| ENST 2030                                                                              | Environmental Studies & Sustainability                     | 3 |
| GEOG 1101                                                                              | Introduction to Human Geography                            | 3 |
| GEOG 1102                                                                              | World Regional Geography                                   | 3 |
| HIST 1111                                                                              | World History I                                            | 3 |
| HIST 1112                                                                              | World History II                                           | 3 |
| HIST 2111                                                                              | U.S. History I                                             | 3 |
| HIST 2112                                                                              | U.S. History II                                            | 3 |
| POLS 1101                                                                              | American Government                                        | 3 |
| POLS 2301                                                                              | Introduction to Comparative Politics                       | 3 |
| POLS 2401                                                                              | Global Issues                                              | 3 |
| FIELD OF STUDY (18 HOURS)                                                              |                                                            |   |
| COURSES RELATED TO YOUR MAJOR PROGRAM OF STUDY, CHOSEN WITH YOUR ADVISOR.              |                                                            |   |

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