This program map is intended ONLY as a guide for students to plan their course of study. It does NOT replace any information in the Undergraduate Catalog, which is the official guide for completing degree requirements.
### Year 1

#### Term 1

| A1: ENGL 1101 | 3 |
| English Composition I |

| MATH 1111 | 3 |
| College Algebra |

| F: GEOL 1121 + LAB | 4 |
| Introduction to Geosciences I |

| C: HUMANITIES/FINE ARTS | 3 |

| B2: OTHER INSTITUTIONAL OPTIONS | 2 |

**Milestones:**
- Complete ENGL 1102 and Math 1113 with a C or better
- Complete GEOL 1121-1122 sequence C or better
- Target: 30 credit hours completed (29)

#### Term 2

| A1: ENGL 1102 | 3 |
| English Composition II |

| A2: MATH 1113 | 4 |
| Precalculus |

| F: GEOL 1122 + LAB | 4 |
| Introduction to Geosciences II |

| B1: WRITTEN AND ORAL COMMUNICATION | 3 |

**Milestones:**
- Complete ENGL 1102 and MATH 1113 with a C or better
- Complete GEOL 1121-1122 sequence C or better
- Target: 30 credit hours completed (29)

15 Fall Credit Hours + 14 Spring Credit Hours = 29 Credit Hours

### Year 2

#### Term 1

| F: CHEM 1211 + LAB | 4 |
| Principles of Chemistry I + Lab |

| GEOL 3004 | 4 |
| Field Geology and Geologic Mapping |

| D2: MATH 1401 OR 1634 | 3/4 |
| Elementary Statistics or Calculus I |

| E: HISTORY, GOVERNMENT, OR SOCIAL SCIENCE | 3 |

**Milestones:**
- Complete CHEM 1211/1211L C or better
- Complete Field Geology (GEOL 3004) C or better
- Plan for courses offered only alternate years
- Calculus I is recommended if considering graduate school
- Target: 45 credit hours completed (43/44)

#### Term 2

| GEOL 3034 | 4 |
| Structural Geology |

| D1: NATURAL SCIENCE + LAB | 4 |

| C: HUMANITIES/FINE ARTS | 3 |

| E: HISTORY, GOVERNMENT, OR SOCIAL SCIENCE | 3 |

**Milestones:**
- Complete CHEM 1212/1212L (D1 Course)
- Complete Structural (GEOL 3034)
- Plan for courses offered only alternate years
- Target: 60 credit hours completed (57/58)

14/15 Fall Credit Hours + 14 Spring Credit Hours = 28/29 Credit Hours

**Key**
- Color: Core Area and Credit Hours
- Color: Elective Course

**Additional Information:**
- Speak with Advisor and Faculty Mentor about GEOL 4082 before Year 3
- Consider Summer courses for lower credit loads during Fall and Spring Terms
### Year 3

#### Term 1
- **GEOL 3014**: Mineralogy and Crystallography (4 credits)
- **GEOL 4082**: Geological Problems (1 credit)
- **D1: Natural Science + Lab**: 4 credits
- **E: History, Government, or Social Science**: 3 credits
- **F: Non-Lab Course**: 3 credits

**Milestones:**
- Complete Ig/Met (GEOL 3024)
- Plan for courses offered only alternate years
- Research Graduate Programs and Career Paths
- Target: 90 credit hours completed (87/88)

**Term 2**
- **GEOL 3024**: Igneous and Metamorphic Petrology (4 credits)
- **GEOL 4084**: Hydrogeology (4 credits)
- **Elective**: 4 credits
- **F: Non-Lab Course**: 3 credits

**Milestones:**
- Complete Ig/Met (GEOL 3024)
- Plan for courses offered only alternate years
- Research Graduate Programs and Career Paths
- Target: 90 credit hours completed (87/88)

#### Term 1
- **GEOL 4034**: Sedimentation and Stratigraphy (4 credits)
- **GEOL 4024**: Paleontology (4 credits)
- **Elective**: (If Needed) 3 credits
- **E: History, Government, or Social Science**: 3 credits

**Milestones:**
- Complete Sed/Strat (GEOL 4034)
- Complete Paleo (GEOL 4024)
- Apply to Graduate Schools in December
- Target: 105 credit hours completed (101-105)

#### Term 2
- **GEOL 4604**: Economic Geology (4 credits)
- **GEOL 4501**: Geology Seminar (1 credit)
- **Elective**: 4 credits
- **Elective**: 4 credits
- **Elective**: 3 credits

**Milestones:**
- Complete Sed/Strat (GEOL 4034)
- Complete Seminar (GEOL 4501): Plan ahead
- Need a minimum of 22 elective credits
- Target: 120 credit hours completed (117-121)

**15 Fall Credit Hours + 15 Spring Credit Hours = 30 Credit Hours**

### Year 4

#### Term 1
- **GEOL 4034**: Sedimentation and Stratigraphy (4 credits)
- **GEOL 4024**: Paleontology (4 credits)
- **Elective**: (If Needed) 3 credits
- **E: History, Government, or Social Science**: 3 credits

**Milestones:**
- Complete Sed/Strat (GEOL 4034)
- Complete Paleo (GEOL 4024)
- Apply to Graduate Schools in December
- Target: 105 credit hours completed (101-105)

#### Term 2
- **GEOL 4604**: Economic Geology (4 credits)
- **GEOL 4501**: Geology Seminar (1 credit)
- **Elective**: 4 credits
- **Elective**: 4 credits
- **Elective**: 3 credits

**Milestones:**
- Complete GEOL 4604
- Complete Seminar (GEOL 4501): Plan ahead
- Need a minimum of 22 elective credits
- Target: 120 credit hours completed (117-121)

**14/17 Fall Credit Hours + 16 Spring Credit Hours = 30/33 Credit Hours**

**Geology Courses Offered Only Alternate Years:**
- Fall, odd-numbered years: GEOL 3603 Environmental Geology, GEOL 4003 Geomorphology, GEOL 4044 Engineering Geology
- Spring, even-numbered years: GEOL 4033 Environmental Geochemistry, GEOL 4014 Geochronology

**Electives Offered During Summer Sessions:**
- GEOL 2503 Introduction to Geomorphology
- GEOL 2553 Geology of the National Parks
A1 Communication Skills
A2 Quantitative Skills
B1 Written and Oral Communications
B2 Other Institutional Options
C1 Fine Arts
C2 Humanities
D1 Natural Science
D2 Mathematics, Science, and Quantitative Technology
E1 World History
E2 American/Georgia History
E3 American/Georgia Government
E4 Social Science
F Major Courses
### Ready

#### First Year
- Take the Intro Geology sequence GEOL1121+L, and GEOL1122+L your first and second semesters
- Enroll in CHEM1211
- Get confident with Wolf Watch and your Program Map

#### Middle Years
- Choose a track: Professional or Environmental
- Explore courses in the core and follow the Geology Program Map for the geology track you choose
- Love something outside of geology? Earn a minor or a certificate!

#### Last Year
- Take upper-level electives to prepare you for your career/graduate programs
- Study for the licensure exam (Professional Track students)

### Set

#### First Year
- Attend a Geoscience Club meeting or event such as River Cleanup, or a professional talk
- Find other student organizations that match your interests

#### Middle Years
- Ask your professors about their research and seek out your own opportunities to do research
- Start researching career paths
- Become a TA for Physical Geology or Historical Geology

#### Last Year
- Be a leader in the Program by being a Club officer
- Serve as a TA again or seek other employment/volunteering opportunities on campus

### Go

#### First Year
- Explore a new-to-you culture or language through your core courses
- Make an effort to be inclusive of others as you meet new faces on campus

#### Middle Years
- Travel! Explore Travel Abroad opportunities or enroll in Regional Applications of Field Geology (offered summers) to see more of the US

#### Last Year
- Read books or listen to podcasts to expand your thinking about how geosciences affects people and society

### Crush Your Coursework

#### First Year
- Meet our Alumni at the Geosciences Career Night (Spring)
- Go to events in the Carrollton Community

#### Middle Years
- Participate in an internship
- Volunteer with a STEM school visit

#### Last Year
- Become a member of a geology professional organization and get involved as soon as you can!

### Find Your Place

#### First Year
- Connect off-campus
- Build friendships with other students
- Learn about resources on campus such as the Counseling Center, Student Health Services, Center for Academic Success, and the Campus Center

#### Middle Years
- Take a break from studying once in a while to enjoy events on campus

#### Last Year
- Get organized with important dates! Graduation application, job application, grad school stuff, class projects, interviews....put all those dates in your phone so that you can stay on top of your busy schedule this final year.

### Broaden Your Perspectives

#### First Year
- Take Care of Yourself
- Be proactive. Go to your professors’ office hours, even before you need help in the class. These conversations can lead to connections.

#### Middle Years
- Apply for scholarships and REU opportunities
- Attend a professional conference to network and connect with the scientific community
- Research graduate school programs if you’re considering that pathway

#### Last Year
- Request letters of recommendation from professors (at least 2 weeks before you need them)
- Apply to graduate programs in the fall or early winter or apply to jobs in the spring

### Connect Off-Campus

#### First Year
- Meet our Alumni at the Geosciences Career Night (Spring)
- Go to events in the Carrollton Community

#### Middle Years
- Participate in an internship
- Volunteer with a STEM school visit

#### Last Year
- Become a member of a geology professional organization and get involved as soon as you can!

### Take Care of Yourself

#### First Year
- Meet our Alumni at the Geosciences Career Night (Spring)
- Go to events in the Carrollton Community

#### Middle Years
- Take a break from studying once in a while to enjoy events on campus

#### Last Year
- Get organized with important dates! Graduation application, job application, grad school stuff, class projects, interviews....put all those dates in your phone so that you can stay on top of your busy schedule this final year.

### Pave Your Path

#### First Year
- Take the Intro Geology sequence GEOL1121+L, and GEOL1122+L your first and second semesters
- Enroll in CHEM1211
- Get confident with Wolf Watch and your Program Map

#### Middle Years
- Choose a track: Professional or Environmental
- Explore courses in the core and follow the Geology Program Map for the geology track you choose
- Love something outside of geology? Earn a minor or a certificate!

#### Last Year
- Take upper-level electives to prepare you for your career/graduate programs
- Study for the licensure exam (Professional Track students)