CORE CURRICULUM

The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend disciplines. The Core applies to all majors. Information on specific classes in the Core can be found at marshall.edu/opened.

CORE 1: CRITICAL THINKING

- FYS 100 First Year Seminar
- MTH 229 Critical Thinking Course
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CORE 2:

- ENG 101 Composition I
- ENG 201 Composition II
- CMY 103 Fund Speech Communication
- MTH 229 Calculus I (CT)

Additional University Requirements

- Writing Intensive
- Core II Humanities
- Core II Social Science
- Core II Fine Arts
- Multicultural or International

GLY 491 Capstone

MAJOR-SPECIFIC

All Geology majors with an area of emphasis in Environmental Geoscience are required to take the following courses:

- GLY 200 Physical Geology
- GLY 210L Earth Materials Lab
- GLY 201 Historical Geology
- GLY 211L Historical Geology Lab
- GLY 212 Introduction to Field Methods
- GLY 313 Structural Geology
- GLY 314 Mineralogy
- GLY 323 Starchipology & Sediment
- GLY 420 Geochemistry
- GLY 423 Sedimentary Petrography
- GLY 426 Geophysics
- GLY 455 Hydrogeology
- GLY 455L Hydrogeology Lab
- GLY 456 Environmental Geology
- GLY 457 Engineering Geology
- GLY 491 Capstone

Milestone Course:

- The capstone experience (GLY 491) is an individualized research project or internship experience requiring a written report and an oral presentation. The capstone requirement may be met alternatively by attending geography summer field camp or by completing the capstone seminar offered each spring.

- Every student in the program is employed by natural resource industries. These include metallic and nonmetallic mining companies as well as petroleum, natural gas, and coal companies. This area of emphasis utilizes an interdisciplinary curriculum, which will prepare graduates for careers involving the application of geologic concepts to the solution of environmental problems.
GEOLOGY: ENVIRONMENTAL GEOLOGY — 2019-2020

YEAR ONE

Have question? Need to talk? You already have a FRIEND at Marshall ready to help you succeed! Find your FANM Peer Mentor here: www.marshall.edu/fan

Stay on the Hard Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.

No need to wait until graduate school. Discuss undergraduate research opportunities with faculty in your major right now.

Join the Marshall Environmental Science Association or other organization.

YEAR TWO

Are you completing enough credits to graduate on time? Dropping or failing a class can put you behind. Use summer terms to quickly get back on track.

Attend civic meetings, such as the school board, neighborhood associations, city council, or important state legislative sessions.

Have you considered adding a minor or certification? Think about personal areas of interest that might give you a more marketable skill set.

Run for Student Government and represent your fellow students while making a long-term difference on Marshall’s Campus.

Join or create a club or organization on campus about a particular issue you care about. Marshall has more than 200 student organizations.

YEAR THREE

Join professional associations in your field, like Geological Society of America or American Institute of Professional Geologists.

Think about who can help you grow as a student and a professional (professors, advisors, alumni, etc.) and ask at least one to be your mentor.

In order to graduate on time, you need to take an average of 15 credits per semester. Are you on track? Take 15 to Finish!

Allegheny Mountain Geology Conference is available. Meet up!

Take a career self-assessment to help determine what jobs fit your talents and interests. We can get you there.

YEAR FOUR

Think about who can help you grow as a student and a professional (professors, advisors, alumni, etc.) and ask at least one to be your mentor.

Run for Student Government and represent your fellow students while making a long-term difference on Marshall’s Campus.

This is it! Are you on track to graduate? Meet with your advisor for your Senior Eval to see what requirements you have left.

Don’t enter your field with zero experience! Meet with your advisor to discuss your internship options.

Want to continue your education and increase your opportunities? Talk to a faculty member about whether graduate school fits your career goals.

Conservation and sustainability outreach is available. Join up!

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Pursue research and funding opportunities for undergraduates.

Be at the top of your professional game! Prepare a final resume and practice your interview skills with a career coach in Career Education.