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Accelerated Master of Science in Climate Science and Solutions

School of Earth and Sustainability

Accelerated Program: BS (Environmental Sciences, Environmental Geology emphasis) – MS (Climate Science & Solutions)

**Overview**

*Note: This plan includes 12 units that are used to complete both the undergraduate and the graduate requirements: 6 at the graduate level and 6 at the undergraduate level.* *Students must receive a grade of “B” or higher in this coursework used towards both degrees.*

**Undergraduate requirements for students in the accelerated program**

**Take the following 98 units and maintain a minimum GPA of 3.5:**

**Core requirements (47 units):**

* [CHM 151](http://catalog.nau.edu/Courses/course?courseId=001281&catalogYear=2122), [CHM 151L](http://catalog.nau.edu/Courses/course?courseId=001282&catalogYear=2122), [CHM 152](http://catalog.nau.edu/Courses/course?courseId=001284&catalogYear=2122), and [CHM 152L](http://catalog.nau.edu/Courses/course?courseId=001285&catalogYear=2122) (9 units)
* [ENV 115](http://catalog.nau.edu/Courses/course?courseId=010197&catalogYear=2122), [ENV 120](http://catalog.nau.edu/Courses/course?courseId=002891&catalogYear=2122), [ENV 171](http://catalog.nau.edu/Courses/course?courseId=002893&catalogYear=2122), [ENV 181](http://catalog.nau.edu/Courses/course?courseId=009900&catalogYear=2122), [ENV 226](http://catalog.nau.edu/Courses/course?courseId=013307&catalogYear=2122), [ENV 226L](http://catalog.nau.edu/Courses/course?courseId=010079&catalogYear=2122), and [ENV 360](http://catalog.nau.edu/Courses/course?courseId=002894&catalogYear=2122) (19 units)
* [ENV 385W](http://catalog.nau.edu/Courses/course?courseId=002907&catalogYear=2122) which meets the junior-level writing requirement (4 units)
* [ENV 408](http://catalog.nau.edu/Courses/course?courseId=002915&catalogYear=2122) or [ENV 485](http://catalog.nau.edu/Courses/course?courseId=002923&catalogYear=2122) (3 units)
* [ENV 490C](http://catalog.nau.edu/Courses/course?courseId=002925&catalogYear=2122) which meets the senior capstone requirement (3 units)
* [POS 659](http://catalog.nau.edu/Courses/course?courseId=006850&catalogYear=2122) and ([STA 270](http://catalog.nau.edu/Courses/course?courseId=008088&catalogYear=2122) or [STA 275](http://catalog.nau.edu/Courses/course?courseId=010056&catalogYear=2122)) (6 units)
* ENV 675 – Fall Rotation 1: Adaptation (3 units)

**Emphasis requirements (51 units):**

* Environmental Geology Emphasis electives - select one of the following combinations (4 units):
	+ [GLG 101](http://catalog.nau.edu/Courses/course?courseId=003742&catalogYear=2122) and [GLG 103L](http://catalog.nau.edu/Courses/course?courseId=003744&catalogYear=2122) (Recommended)
	+ [GLG 100](http://catalog.nau.edu/Courses/course?courseId=003740&catalogYear=2122) and [GLG 100L](http://catalog.nau.edu/Courses/course?courseId=003741&catalogYear=2122) with grades of "B" or better
	+ [GLG 112](http://catalog.nau.edu/Courses/course?courseId=003748&catalogYear=2122) and [GLG 112L](http://catalog.nau.edu/Courses/course?courseId=003749&catalogYear=2122) with grades of "B" or better
* [GLG 102](http://catalog.nau.edu/Courses/course?courseId=003743&catalogYear=2122), [GLG 104L](http://catalog.nau.edu/Courses/course?courseId=003745&catalogYear=2122), [GLG 240](http://catalog.nau.edu/Courses/course?courseId=003760&catalogYear=2122), ([GLG 259](http://catalog.nau.edu/Courses/course?courseId=003785&catalogYear=2122) and [GLG 259L](http://catalog.nau.edu/Courses/course?courseId=011472&catalogYear=2122)), [GLG 309](http://catalog.nau.edu/Courses/course?courseId=003769&catalogYear=2122), [GLG 324](http://catalog.nau.edu/Courses/course?courseId=003773&catalogYear=2122), [GLG 360](http://catalog.nau.edu/Courses/course?courseId=003777&catalogYear=2122), [GLG 435](http://catalog.nau.edu/Courses/course?courseId=003786&catalogYear=2122), and [GLG 451](http://catalog.nau.edu/Courses/course?courseId=003791&catalogYear=2122) (31 units)
* [GSP 239](http://catalog.nau.edu/Courses/course?courseId=003612&catalogYear=2122) (4 units)
* [MAT 136](http://catalog.nau.edu/Courses/course?courseId=005211&catalogYear=2122) and [MAT 137](http://catalog.nau.edu/Courses/course?courseId=005213&catalogYear=2122) (8 units)
* [PHY 161](http://catalog.nau.edu/Courses/course?courseId=006657&catalogYear=2122) (4 units)

**Graduate requirements for students in the accelerated program**

Take the following **36 units** while remaining in [good academic standing](https://www5.nau.edu/policies/Client/Details/520?whoIsLooking=Students&pertainsTo=Graduate%20students&sortDirection=Ascending&page=1):

**Core courses** (**27 units**):

* ENV 591 (3 units)
* ENV 595 (3 units)
* ENV 675 (3 units) – Fall Rotation 1: Adaptation
* ENV 675 (3 units) – Spring Rotation: Energy
* ENV 675 (3 units) – Fall Rotation 2: Mitigation
* ECO 526 (3 units)
* ENV 408 or ENV 485 (3 units)
* ENV 490C (3 units)
* POS 659 (3 units)

**CSS graduate-level elective course**: **3 units** from the following CSS Elective list in consultation with graduate advisor\*:

BIO 578, CENE 502, CENE 503, CENE 540, CENE 562, CENE 568, EES 580, EES 680, ENV 530, ENV 550, ENV 555, ENV 571, ENV 596, ENV 650, FOR 500, FOR 504, FOR 563, FOR 565, FOR 580, FOR 582, FOR 633, GLG 575, GLG 670, ME 535, POS 659, STA 570, or STA 571.

\*Other relevant courses may satisfy this requirement with approval from CSS Program Director.

**Other**: the following **6 units**:

* EES 687 (1 unit) – Seminar rotation 1
* EES 687 (1 unit) – Seminar rotation 2
* EES 687 (1 unit) – Seminar rotation 3
* EES 608 (3 units) – Fieldwork Experience

**Suggested Progression Plan**

^ Denotes undergraduate course applied towards the undergraduate degree

% Denotes a course that applies towards both degrees

\* Denotes graduate course applied towards the graduate degree

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| **Fall Year 1 (Term 1: 15 units)** | **Spring Year 1 (Term 2: 15 units)** |
| ^ ENV 115 (3 units) | ^ GLG 102 (3 units) |
| ^ Environmental Geology Emphasis elective (4 units) | ^ GLG 104L (1 unit) |
| ^ ENV 120 (1 unit) | ^ ENV 181 (3 units) |
| ^ Foundation English (4 units) | ^ ENV 171 (4 units) |
| ^ General Elective Course (3 units) | ^ MAT 136 (4 units) |
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| **Fall Year 2 (Term 3: 16 units)** | **Spring Year 2 (Term 4: 15 units)** |
| ^ GLG 259 (3 units) | ^ CHM 152 (3 units) |
| ^ GLG 259L (1 unit) | ^ CHM 152L (1 unit) |
| ^ MAT 137 (4 units) | ^ GSP 239 (4 units) |
| ^ GLG 240 (3 units) | ^ PHY 161 (4 units) |
| ^ CHM 151 (4 units) | ^ STA 270 or STA 275 (3 units) |
| ^ CHM 151L (1 unit) | *Discuss internship or research options with your advisor* |

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| **Fall Year 3 (Term 5: 16 units)** | **Spring Year 3 (Term 6: 17 units)** |
| ^ ENV 226 (3 units) | ^ ENV 385W (4 units) |
| ^ ENV 226L (1 unit) | ^ GLG 324 (4 units) |
| ^ ENV 360 (4 units) | % ENV 408 or ENV 485 (3 units) |
| ^ GLG 360 (4 units) | ^ Liberal Studies and/or Diversity (3 units) |
| ^ GLG 309 (4 units) | ^ Liberal Studies and/or Diversity (3 units) |

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| **Fall Year 4 (Term 7: 15 units)** | **Spring Year 4 (Term 8: 13 units - graduate with the BS)** |
| ^ GLG 451 (4 units) | % ENV 490C (3 units) |
| ^ GLG 435 (4 units) | ^ Liberal Studies and/or Diversity (3 units) |
| % POS 659 (3 units) | ^ Liberal Studies and/or Diversity (3 units) |
| % ENV 675 (3 units) Fall Rotation 1: Adaptation | ^ Liberal Studies and/or Diversity (3 units) |
| \* EES 687 (1 unit) - Seminar Rotation 1 | \* EES 687 (1 unit) - Seminar Rotation 2 |
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| **Summer Between Years 4-5 (Term 8.5: 3 units)** |
| \* EES 608 (3 units) Summer Internship |

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| **Fall Year 5 (Term 9: 10 units)** | **Spring Year 5 (Term 10: 9 units - graduate with the MS)** |
| \* ENV 591 (3 units) | \* ECO 526 (3 units) |
| \* ENV 595 (3 units) | \* ENV 675 (3 units) - Spring Rotation: Energy |
| \* ENV 675 (3 units) - Fall Rotation 2: Mitigation | \* CSS Graduate Elective (3 units) |
| \* EES 687 (1 unit) - Seminar Rotation 3 |  |