

Requirements**Requirement V1 : Life and Physical Science Requirements for Major (Also fills Area II - Life and Physical Science Requirement) - Types: Major**

A total of 5 courses from {[01:119:101](#), [01:119:102](#), [01:160:161](#), [01:160:162](#), [01:160:171](#)}

Requirement V2 : Physics I

The required number of courses from 1 of the following sets of courses:

1 course from {[01:750:193](#), [01:750:201](#)}

or 2 courses from {[01:750:203](#), [01:750:205](#)}

Requirement V3 : Physics II - Types: Major

The required number of courses from 1 of the following sets of courses:

1 course from {[01:750:194](#), [01:750:202](#)}

or 2 courses from {[01:750:204](#), [01:750:206](#)}

Requirement V4 : Experienced-Based Education - Types: Major

A total of 3 credits from {[11:015:497](#), [11:015:498](#), [11:199:200](#), [11:199:300](#), [11:199:403](#), [11:300:487](#), [11:372:493](#), [11:372:494](#), [11:704:375](#), [11:704:376](#), [11:704:377](#), [11:704:484](#), [11:704:483](#), [15:255:535](#), [11:902:300](#), [11:902:301](#), [11:902:400](#)}

Notes:

- Students may fill the Experience Based Education requirement without credit through department approved work experience related to the major. See your academic advisor for details. If you have completed non-credit work experience, you must fill out a Degree Navigator Update Form in order for Degree Navigator to be adjusted to show that the requirement has been completed.

* Related Conditions: [N18](#)

Requirement V5 : Quantitative Methods - Types: Major

A total of 2 courses from {[01:640:135](#), [01:640:151](#), [01:640:250](#), [01:960:211](#), [01:960:401](#)}

- with at least 1 course from {[01:640:135](#), [01:640:151](#), [01:640:250](#)}

- and at least 1 course from {[01:960:211](#), [01:960:401](#)}

Requirement V6 : Major Requirements - Types: Major

A total of 6 courses from {[11:704:104](#), [11:704:217](#), [11:704:351](#), [11:704:499](#), [11:372:369](#), [11:704:251](#), [11:704:486](#)}

- with at least 5 courses from {[11:704:104](#), [11:704:217](#), [11:704:351](#), [11:704:499](#), [11:372:369](#)}

- and at least 1 course from {[11:704:251](#), [11:704:486](#)}

Requirement V7 : Techniques: - Types: Major

The required number of courses from 1 of the following sets of courses:

A total of 2 courses from {[11:704:274](#), [11:704:431](#), [11:704:461](#), [11:704:464](#)}

or

A total of 3 courses from {[11:372:232](#), [11:372:233](#), [11:704:274](#), [11:704:431](#), [11:704:461](#), [11:704:464](#)}

- with at least 2 courses from {[11:372:232](#), [11:372:233](#)}

- and at least 1 course from {[11:704:274](#), [11:704:431](#), [11:704:461](#), [11:704:464](#)}

or

A total of 3 courses from {[01:447:380](#), [01:447:382](#), [11:704:274](#), [11:704:431](#), [11:704:461](#), [11:704:464](#)}

- with at least 2 courses from {[01:447:380](#), [01:447:382](#)}

- and at least 1 course from {[11:704:274](#), [11:704:431](#), [11:704:461](#), [11:704:464](#)}

or

A total of 4 courses from {[11:372:232](#), [11:372:233](#), [01:447:380](#), [01:447:382](#)}

Requirement V8 : Critical Reasoning - Types: Major

A total of 1 course from {[11:374:325](#), [01:640:300](#), [11:704:416](#), [01:730:101](#), [01:730:225](#)}

Requirement V9 : Biodiversity - Types: Major

A total of 2 courses from {[11:370:381](#), [11:370:402](#), [11:370:409](#), [11:628:321](#), [11:680:491](#), [11:704:272](#), [11:704:323](#), [11:704:324](#), [11:704:325](#), [11:704:411](#), [11:770:402](#)}

Requirement V10 : Functional Systems - Types: Major

A total of 1 course from {[11:704:302](#), [11:704:332](#), [11:704:335](#), [11:704:360](#), [11:704:421](#), [11:704:450](#), [11:704:451](#), [11:704:464](#), [11:628:320](#)}

Requirement V11 : Additional Courses

A total of 5 courses from {[Accepted 704 Electives](#)}

Notes:

- Courses may not be double counted to fill multiple requirements within the 704 major.