

Selecting the Appropriate UREQ Natural Sciences (NATS) Course

Satisfying the natural sciences foundations requirement (NATS). The NATS requirement consists of 12 qtr hrs of laboratory science and may be satisfied as follows:

- Completion of a three quarter NATS sequence course with integrated laboratory component (all three courses have to be in the same sequence, if a student starts in one sequence and then changes those courses will move to electives)
- Completion of 12 qtr hrs from the list of introductory science courses listed below in the next section (i.e. Biology, Chemistry, Physics including the co-requisite laboratories)
- Completion of a minor in one of the following fields: Astrophysics, Atmospheric Physics, Biology, Chemistry, Ecology and Biodiversity, Environmental Science, Geography, Geology, Medical Physics, Molecular Biology, or Physics.
- AP/IB credit please refer to the chart in the bulletin
- Transfer credit for matriculated students must be approved in advance (Tutu.Mulatu@du.edu) and must include an integrated laboratory component.

Students who start as Science Majors and then change their Majors:

The following courses may be applied toward the natural sciences foundations requirement:

BIOL 1010/1020 Concepts in Biology 1/Concepts in Biology 1 Lab
 BIOL 1011/1021 Concepts in Biology 2/Concepts in Biology 2 Lab
 BIOL 1012/1022 Concepts in Biology 3/Concepts in Biology 3 Lab

CHEM 1010/1040 General Chemistry /General Chemistry Lab
 CHEM 1510/1540 University Chemistry/University Chemistry Lab
 CHEM 2451/2461 Organic Chemistry 1/Organic Chemistry 1 Lab
 CHEM 2452/2462 Organic Chemistry 2 /Organic Chemistry 2 Lab

PHYS 1111/1121 General Physics 1/ General Physics 1 Lab
 PHYS 1112/1122 General Physics 2/General Physics 2 Lab
 PHYS 1113/1123 General Physics 3/ General Physics 3 Lab

PHYS 1211/1221 University Physics 1/University Physics 1 Lab
 PHYS 1212/1222 University Physics 2/University Physics 2 Lab
 PHYS 1213/1223 University Physics 3/University Physics 3 Lab

OR

Any combination of the above: Biology + Lab, Chemistry + Lab, and Physics + Lab
 or 2 Biology + Lab and 1 Chemistry + Lab, etc.

In all cases, a passing grade is required in both the lecture and laboratory sections of the course for NATS credit.

Students who transfer in science courses

- Students who transfer in 6 hours or less of NATS courses will need to take two NATS courses in the same sequence to meet this requirement;
- Students who transfer in 7.5 hours or higher will need to take one more NATS course to meet this requirement;
- Students who transfer in 11.5 hours or higher have met the NATS requirement. The transfer courses do not need to be in a sequence to meet the NATS requirement. For example, 6 hours of BIOLOGY 1 plus lab and 6 hours of Astronomy 1 plus lab equals 12 hours of science and meets the requirement.

***Students who transfer a science course in and still have additional courses to take should consult with Dr. Mike Keables (mkeables@du.edu) regarding the best option. Please see example below:

If at all possible, the students should continue on in the sequence of the field in which their transfer course originated (i.e. biology, chemistry, physics) and complete the NATS requirement using more advanced, traditional NSM courses. For example, if a student transfers in 6 hrs of biology and wants to continue on in biology, they should not repeat the second quarter of biology, but should complete Concepts 3 plus one more advanced course (such as general ecology, cell structure, genetics, nutrition, etc.) These cases might be better handled by sending the students to see Dr. Keables.



NATS courses with appropriate background, instructor approval, and open seats that can be taken out of the fall, winter, spring sequence are (winter, spring, fall or spring, winter, fall):

- Environmental Systems, Our Dynamic Earth, 21st Century Physics and Astronomy, and Science of Contemporary Issues;

Questions Regarding NATS please contact:

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