

(For all students in the Program)

## Undergraduate Minor Program in Environmental Science

Except for those with major in Environmental Science (ENVS), any undergraduate students under the 4-year degree with an overall CGA of 1.85 or above may enroll in the Environmental Science Minor Program. Students admitted to the University prior to 2017-18 should follow Sequence A while those admitted in 2017-18 and after should follow Sequence B. Students must declare their intention to enroll in the Minor Program no earlier than the first regular term of their second year of study but no later than the last day of the add/drop period in the first regular term of their final year of study. Students who wish to withdraw from the Minor Program should apply before the last day of the add/drop period in the first regular term of their final year of study.

### Minor Requirements

To graduate with a minor in Environmental Science, students must have enrolled in the Minor Program, complete a minimum total of 18 credits and all of the minor requirements, as well as all the requirements of the major program of study.

For credit transfer, students can transfer a maximum total of 6 credits to the Minor Program.

Out of the total credits required by the minor program, at least 9 credits should be single-counted within the minor and are not used to fulfill any other requirements for graduation except the 120-credit degree requirement.

Students may use no more than 6 credits earned from courses offered in pure online delivery mode to satisfy the graduation requirements of a degree program. This 6-credit limit does not apply to credits obtained through the credit transfer procedures of the University.

### Required Course(s)

	<b>Credit(s) attained</b>
<i>For Sequence B</i>	
LIFS/ENVR	3
LIFS      1030	3
ENVR      2010	3

Note: LIFS 1030 OR ENVR 2010  
Environmental Science  
Environmental Science Fundamentals

### Elective(s)

	<b>Minimum credit(s) required</b>
<i>For Sequence A</i>	
LIFS/CHEM/ PHYS/ENVR	9
LIFS      1030	3
LIFS      1901	3
LIFS      1902	3
LIFS      2060	3
CHEM     1030	3
PHYS     1003	3

Environmental Science Foundation Electives (3 courses from the specified elective list. Either LIFS 1030 or ENVR 2010, but not both, can be counted toward the elective requirements of this minor.)

Environmental Science  
General Biology I  
General Biology II  
Biodiversity  
General Chemistry II  
Energy and Related Environmental Issues

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ENVR	2010	Environmental Science Fundamentals	3
ENVR	2020	Urban Air Pollution	3
LIFS/CHEM/ ENVR		Environmental Science Depth Electives (3 courses from the specified elective list)	9
LIFS	3130	Marine Biology	3
LIFS	3160	Ecology	3
CHEM	2310	Fundamentals of Analytical Chemistry	3
CHEM	2311	Analytical Chemistry	3
CHEM	4310	Environmental Chemistry	3
CHEM	4320	Environmental Analytical Chemistry	3
ENVR	3110	Sustainable Development	3

*For Sequence B*

ENVS/LIFS/ CHEM/PHYS/ ENVR		Environmental Science Foundation Electives (2 courses from the specified elective list. Students may only use one course out of LIFS 1901, LIFS 1902 and CHEM 1030 to count towards this elective requirement.)	6
ENVS	2003	Introduction to Atmospheric Science	3
ENVS	2004**	Introduction to Ocean Science**	3
LIFS	1901	General Biology I	3
LIFS	1902	General Biology II	3
LIFS	2060	Biodiversity	3
CHEM	1030	General Chemistry II	3
PHYS	1003	Energy and Related Environmental Issues	3
ENVR	2020	Urban Air Pollution	3

ENVS/LIFS/ CHEM/ENVR		Environmental Science Depth Electives (3 courses from the specified elective list. Students may use either CHEM 2310 or CHEM 2311, but not both, to count towards this elective requirement.)	9
ENVS	3004**	Global Climate Change**	3
ENVS	3005	Environmental Microbiology	3
ENVS	4001	Environmental Impact and Risk Assessment	3
ENVS	4012	Special Topics in Environmental Science	1-3
ENVS	4301	Environmental Conservation	3
ENVS	4905	Marine Molecular Biology and Ecology	3
LIFS	3130	Marine Biology	3
LIFS	3160	Ecology	3
CHEM	2310	Fundamentals of Analytical Chemistry	3
CHEM	2311	Analytical Chemistry	3
CHEM	4310	Environmental Chemistry	3
CHEM	4320	Environmental Analytical Chemistry	3
ENVR	3110	Sustainable Development	3

**\*\*Remarks on course(s):**

- ENVS 2004: The course code will be changed to OCES 2001 starting from Fall, 2020-21.
- ENVS 2004: The course title will be changed to "Survey of Ocean Science" starting from Fall, 2020-21.
- ENVS 3004: The course code will be changed to OCES 4001 starting from Fall, 2021-22.
- ENVS 3004: The course title will be changed to "Global Ocean Change" starting from Fall, 2021-22.