

Earth and Environmental Sciences

BS-MS Course Curriculum

Semester V

Course No.	Course Title	Credits
EES301	Mineralogy	3
EES311	Mineralogy Laboratory	1
EES331	Geohydrology	4
EES333	Environmental Chemistry	3
EES335	Environmental Chemistry Laboratory	1
EES337	Solid Earth Geophysics	4
*** **	Open Elective I	3/4
ECO500	Law Relating to Intellectual Property and Patents	1
Total Credits		20

Semester VI

Course No.	Course Title	Credits
EES318	Basic Field Geology	2
EES336	Remote Sensing and GIS	3
EES338	Remote Sensing and GIS Laboratory	1
EES340	Structural Geology	3
EES342	Structural Geology Laboratory	1
EES332	Sedimentology and Principles of Stratigraphy	3
EES334	Sedimentology Laboratory	1
EES348	Science of Sustainability	4
*** **	Open Elective II	3/4
Total Credits		21

Semester VII

Course No.	Course Title	Credits
EES404	Global Climate Change	3
EES410	Global Climate Change Laboratory	1
EES431	Earth Surface Processes	4
EES437	Data Analyses and Statistics for Geosciences	4
EES441	Environmental Impact Assessment	4
EES***	Departmental Elective I	4
*** **	Open Elective III	3/4
Total Credits		23

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Semester VIII

Course No.	Course Title	Credits
EES414	Field Work in Environmental Sciences	2
EES432	Geodynamics	4
EES502	Contemporary Environmental Issues	4
EES***	Departmental Elective II	4
EES***	Departmental Elective III	4
EES***	Departmental Elective IV	4
*** **	Open Elective IV	3/4
Total Credits		25

Semester IX

Course No.	Course Title	Credits
EES501	MS Thesis	18
Total Credits		18

Semester X

Course No.	Course Title	Credits
EES501	MS Thesis	18
Total Credits		18

***Out of Four Departmental Electives, at least two departmental electives should be taken from each of Geology and Environmental Science basket.**