

Templates for programs Earth Sciences (ES)

Template for BS Program in Earth Sciences

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
SCHEME-1 (9) ELC111/ELC112/ELC113 *	ETH111 (3) **	SCHEME-2: EME (09-11)/ES208(9)^	SCHEME-3: HSS-I (11)	SCHEME HSS-II (09)	SCHEME HSS-II (09)	SCHEME: HSS-II (09)	ES402 (04):
MTH 111 (6)	MTH 113 (6)	ESO201 (11):	ESC201 (14)	ESO204 (11):	ES304 (09):	ES401 (09):	DE-3 (09)
MTH 112 (6)	MTH 114 (6)	ESO213 (09):	ES204 (09):	ES301 (06):	ES305 (06):	DE-1 (09) / ES497: UGP-II (09)	DE-4 (09)
PHY 115 (11)	PHY 112 (11)	ES201 (11):	ES205 (09):	ES302 (09):	ES306 (06):	DE-2 (09)	DE-5 (09) / ES498: UGP-III (09)
PHY 111 (3)	CHM 111 (3)	ES202 (09):	ES206 (11):	ES303 (09):	ES496: UGP-I (0) (Extra credits)	OE-4 (09)	OE-5 (09)
TA 111 (9)	ESC 111 (7)	ES203 (06):	ES207 (04):	OE - 1 (09)	OE-2 (09)		OE-6 (09)
CHM 112 (4)	ESC 112 (7) §§				OE-3 (09)		
CHM 113 (4)	LIF111 (6)						
PE111 (3)	PE112 (3)						
55	52	55-57	56-58	53	48	45	49

Note: OEs and DEs can be swapped across semesters based on the availability of the desired courses, provided the total credits for the DEs and OEs remain the same as in the template.

^ES208(9) is compulsory EME course from Y24 and onward batch students only.

Credit table for BS program in Earth Sciences		
Course type	Allowable Credit	Credit in the department
Institute Core (IC)	112	112
E/SO	18-45	31
Department	144-179	162 (117 DC + 45 DE)
Open electives (OE)	51-57	54
SCHEME	54-58	54-58
Total for 4-year BT/BS	391-420	413-417

Template for BSH program in Earth Sciences

Template for 3 rd to 8 th semester BSH program in Earth Sciences					
Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
SCHEME-2: EME (09-11) / ES2028(9)^	SCHEME-3: HSS-I (9-11)	SCHEME HSS- II (09)	SCHEME HSS- II (09)	SCHEME: HSS-II (09)	ES402 (04): Field Geology - III
ESO201 (11): Thermodynam ics	ESC201 (14)	ESO204 (11): Fluid Mechanics	ES304 (09): Fundamentals of Remote Sensing and GIS	ES401 (09): Exploration Geophysics	DE-3 (09)
ESO213 (09): Fundamental of Earth Sciences	ES204 (09): Fundamentals of Geophysics	ES301 (06): Fundamentals of Stratigraphy	ES305 (06): Geochemistry	ES497: UGP-II (09) Compulsory	ES498: UGP-III (09) Compulsory
ES201 (11): Crystallography & Mineralogy	ES205 (09): Sedimentology	ES302 (09): Ore Geology	ES306 (06): Field Geology - II	DE-2 (09)	DEH-2 (9)
ES202 (09): Physical Hydrology	ES206 (11): Igneous & Metamorphic Petrology	ES303 (09): Structural Geology	ES496: UGP-I (0) (Extra credits)	OE-4 (09)	DEH-3 (9)
ES203 (06): Geomorpholo gy	ES207 (04): Field Geology - I	OE - 1 (09)	DE-1 (09)	DEH-1 (9)	OE-5 (09)
			OE-2 (09)		OE-6 (09)
			OE-3 (09)		
55-57	56-58	53	57	54	58

- CPI Criteria for BSH: ≥ 8.5
- Student should take 27 credits of DEH courses from the Honours Course Basket. Any ES course with course number ES6xx and/or ES7xx can be considered and included within the Honours Course Basket
- ^ES208(9) is compulsory EME course from Y24 and onward batch students only.
- UG-2 and UGP-3 are mandatory UGPs for BSH

Template for BSM program in Earth Sciences

Template for 3 rd to 8 th semester BSM program in Earth Sciences					
Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
SCHEME-2: EME (09-11)/ES208(9)^	SCHEME-3: HSS-I (11)	SCHEME HSS-II (09)	SCHEME HSS-II (09)	SCHEME: HSS-II (09)	ES402 (04): Field Geology - III
ESO201 (11): Thermodynamics	ESC201 (14)	ESO204 (11): Fluid Mechanics	ES304 (09): Fundamentals of Remote Sensing and GIS	ES401 (09): Exploration Geophysics	DE-2 (09)
ESO213 (09): Fundamental of Earth Sciences	ES204 (09): Fundamentals of Geophysics	ES301 (06): Fundamentals of Stratigraphy	ES305 (06): Geochemistry	DE-1 (09)	MTB-4 (09)
ES201 (11): Crystallography & Mineralogy	ES205 (09): Sedimentology	ES302 (09): Ore Geology	ES306 (06): Field Geology - II	MTB-2 (09)	MTB-5 (09)
ES202 (09): Physical Hydrology	ES206 (11): Igneous & Metamorphic Petrology	ES303 (09): Structural Geology	MTB-1 (9)	MTB-3 (09)	MTB-6 (09)
ES203 (06): Geomorphology	ES207 (04): Field Geology - I	OE - 1 (09)	OE-2 (09)		OE-3 (09)
55-57	56-58	53	48	45	49

For BSM, 54 credits of courses should be completed from the management Track Basket (MTB)

^ES208(9) is compulsory EME course from Y24 and onward batch students only.

Template for five-year dual-degree program in Earth Sciences

Template for 9 th and 10 th semester of dual-degree program in Earth Sciences (Category A)	
Semester 9	Semester 10
DEPG - 1 (09/11)	MS Project (36) (S/X)
DEPG - 2 (09/11)	
DEPG - 3 (09)	
DEPG - 4 (09)	
DEPG - 5 (09)	
MS Project (09) (S/X)	
54-58	36

- Students opting DD-A will get credit waivers of 27 and 18 credits in the OE and DE requirements, respectively, in their UG part.
- The Department of Earth Sciences will offer BS-MS (5-year Dual Degree Program) under Category A, only.
- The Department of Earth Sciences does not to offer dual-major or minors