

PROGRAMME STRUCTURE

BSc (Major in Geology) GSL Accredited Pathway – rev6 17.1.17 AAGW

Table 1 *Introductory level, compulsory (12 credits/2 courses)*

Code	Name	Credits	
EASC1401	<i>Blue planet</i>	6	
EASC1402	<i>Principles of geology</i>	6	

Table 2 *Science Faculty requirements (12 credits/2 courses)*

Code	Name	Credits	
SCNC1111	<i>Scientific method and reasoning</i>	6	
SCNC1112	<i>Fundamentals of modern science</i>	6	

Table 3 *University requirements (54 credit/9 courses)*

<i>6 Common Core Courses in four AOIs</i>	36	
<i>English language</i>	6	
<i>English language within the discipline</i>	6	
<i>Chinese language</i>	6	

Table 4 *Compulsory Advanced level courses (96 credits/15 courses)*

Code	Name	Credits	
EASC2401	<i>Fluid / Solid interactions in earth processes</i>	6	
EASC2402	<i>Field methods</i>	6	
EASC2406	<i>Geochemistry</i>	6	
EASC2407	<i>Mineralogy</i>	6	
EASC2409	<i>Regional Field Studies</i>	6	
EASC3402	<i>Petrology</i>	6	
EASC3403	<i>Sedimentary environments</i>	6	
EASC3404	<i>Structural geology</i>	6	
EASC3408	<i>Geophysics</i>	6	
EASC3409	<i>Igneous and metamorphic petrogenesis</i>	6	
EASC3417	<i>Earth through time</i>	6	
EASC4406	<i>Earth dynamics and global tectonics</i>	6	
EASC4407	<i>Regional geology</i>	6	
EASC4955	<i>Integrated Field Studies</i>	6	
EASC4999	<i>Earth sciences project. <u>Requires approval to qualify for accredited pathway: see Revision 6</u></i>	12	

Table 5 *5 courses from list below*

Code	Name	Credits	
EASC2404	<i>Introduction to atmosphere and hydrosphere</i>	6	
EASC2408	<i>Planetary geology</i>	6	
EASC3020	<i>Global change: anthropogenic impacts</i>	6	
EASC3405	<i>Environmental Remote Sensing (renamed from Earth observation)</i>	6	
EASC3406	<i>Reconstruction of past climate</i>	6	
EASC3410	<i>Hydrogeology</i>	6	
EASC3412	<i>Earth resources</i>	6	
EASC3413	<i>Engineering geology</i>	6	
EASC3414	<i>Soil and rock mechanics</i>	6	
EASC3416	<i>Advanced geochemistry and Geochronology(renamed from Advanced geochemistry)</i>	6	
EASC3999	<i>Directed studies in earth sciences</i>	6	
EASC4403	<i>Biogeochemical cycles</i>	6	
EASC4408	<i>Special topics in earth sciences</i>	6	
EASC4911	<i>Earth system: contemporary issues (renamed from Earth system history)</i>	6	
EASC4966	<i>Earth Sciences Internship</i>	6	
ENVS3007	<i>Natural Hazards and Mitigation</i>	6	
ENVS3313	<i>Environmental oceanography (renamed from Solid earth, ocean, atmosphere interactions)</i>	6	

Table 6 *If neither Engineering Geology nor Environmental Remote Sensing is chosen 3-credits in GIS is required.*

Code	Name	Credits	

Revision 1 (5.9.13): altered order of courses in list to numerical order

Revision 2 (8.3.14): new course (EASC2409); course title changes (EASC3405, EASC3416, EASC4955 and ENVS3313); course number changes (to EASC3999, EASC4956, EASC4966 and EASC4999). Add Table numbers.

Revision 3 7.8.14 Revise course code for EASC4955 and EASC4911

Revision 4 29.7.15 Revise course title for SCNC1111 and EASC4406

Revision 5 04.8.2016 Add EASC3417 Earth through time to Compulsory Advanced level courses, decrease Table 5 courses (electives) from 6 to 5 courses to balance the credit load.

Revision 6 17.1.17 EASC4999 projects must have a significant 3D geological evolutionary component to meet Accredited Pathway requirements, as specified during our 2016 re-accreditation. Therefore, each EASC4999 project intended to qualify for the Accredited Pathway must be approved by the Geology major coordinator as satisfying this requirement. This policy is effective for all projects starting in 2017 and after.