

PROGRAMME STRUCTURE

BSc (Major in Geology) GSL Accredited Pathway 21.6.13 AM rev2 8.3.14

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 methods 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 (90 credits/14 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(new course)</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	
EASC4406	<i>Earth dynamics</i>	6	
EASC4407	<i>Regional geology</i>	6	
EASC4956	<i>Integrated Field Studies</i>	6	
EASC4999	<i>Earth sciences project</i>	12	

Table 5 *6 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 impact</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	
EASC4955	<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.

AWM 21.3.14