

School of Geography & Geosciences

B.Sc. / M.A. Honours

The general requirements are 480 credits over a period of normally four years (and not more than five years) or part-time equivalent, of which the final two years form an approved Honours programme of 240 credits, of which 90 credits are at 4000 level and at least a further 120 credits at 3000 and/or 4000 levels.

B.Sc. / M.A. Honours with Integrated Year Abroad

The general requirements are 540 credits over a period of normally five years (and not more than six years) or part-time equivalent, of which the final three years are an approved Honours programme of 300 credits, of which 60 credits are gained during the integrated year abroad, 90 credits are at 4000 level and at least a further 120 credits at 3000 and/or 4000 levels.

M.Geol. Honours

The general requirements are 600 credits over a period of normally five years (and not more than six years) or part-time equivalent, of which the final three years form an approved Honours programme of 360 credits, of which 120 credits are at 5000 level and at least 210 credits are at 3000 and 4000 levels.

Study Abroad: In the case of students who spend part of the Honours programme on a recognised Study Abroad scheme, the Programme Requirements will be amended to take into account overseas courses which are approved by the relevant St Andrews School in the Learning Agreement.

(see <http://www.st-andrews.ac.uk/studyabroad/outgoingstudents/AcademicInformation/>).

Earth Sciences - Single Honours M.Geol.

First Year:	40 credits: ES1001 and ES1002
Second Year:	90 credits: ES2001 and ES2002 and ES2003 - with passes at grade 11 or better in all. <i>Exemption from ES2003 may be considered on a case-by-case basis.</i>
Third Year:	120 credits: ES3001 and ES3002 and ES3003 and ES3004 and ES3005 and ES3006 and ES3007 and ES3009 with an overall credit-weighted mean grade 13.5 or above.
Fourth Year:	45 credits: ES3008 and ES4001 and ES4002; 30 credits: ES4011 or ES4012; 45 further credits in three of: ES4011, ES4012, ID4001, ES4006, ES4007, ES4009, ES5006 – ES5008.
Fifth Year:	120 credits: ES5001 and ES5003 and ES5004 and ES5009.

Students who have passed Third Year of the BSc Environmental Geoscience programme with an overall credit-weighted mean grade of 13.5 or above may, with the permission of the Director of Teaching, opt into Fourth Year of the M.Geol. programme.

Earth Sciences - Single Honours M.Geol.

Direct entry to second year for approved candidates with 120 advanced standing credits

Second Year:	120 credits: ES2001 and ES2002 and ES2003 and ES2004 - with passes at grade 11 or better in all.
Third Year:	120 credits: ES3001 and ES3002 and ES3003 and ES3004 and ES3005 and ES3006 and ES3007 and ES3009, with an overall credit-weighted mean grade 13.5 or above.
Fourth Year:	45 credits: ES3008 and ES4001 and ES4002; 30 credits: ES4011 or ES4012; 45 further credits in three of: ES4011, ES4012, ID4001, ES4006, ES4007, ES4009, ES5006 – ES5008.
Fifth Year:	120 credits: ES5001 and ES5003 and ES5004 and ES5009.

Geography & Geosciences - Programme Requirements 2012/13 - September 2012

Environmental Geoscience - Single Honours B.Sc.

First Year:	40 credits: ES1001 and ES1002
Second Year:	90 credits: ES2001 and ES2002 and ES2003 - with passes at grade 11 or better in all. <i>Exemption from ES2003 may be considered on a case-by-case basis.</i>
Third Year:	105 credits: ES3001 and ES3002 and ES3003 and ES3004 and ES3005 and ES3008 and ES3010; At least 15 credits: ES3009, or by arrangement GG3260 - GG3289.
Fourth Year:	90 credits: ES4002 and ES4003 and ES4004 and ES4008; 15 credits: ES3009 or ES4006 or ES4007 or ES4009 or ID4001 At least 15 further credits: ES3009, ES4006, ES4007, ES4009, ID4001, or by arrangement GG3260 - GG3289.

Environmental Geoscience and Environmental Biology - Joint Honours B.Sc.

Third Year:	80 credits: BL3000 and BL3220 and ES3001 and ES3004 and ES3008 and ES3005 40 credits in two of: BL3307, BL3308, BL3309, BL3316, BL3318, BL3319.
Fourth Year:	75 credits: BL4220 and ES4002 and ID4442. 15 credits: ES3007 or ES3009 or ES4007 or ID4001. 30 further credits in two of: BL4249, BL4254 - BL4256, BL4260, BL4262, BL4266, BL4268, BL4270, BL4272, BL4275, BL4280, BL4286, BL4301, ID4001.

Geography - Single Honours B.Sc. or M.A.

First Year:	20 credits: GG1001 or GG1002.
Second Year:	60 credits: GG2011 and GG2012 - with passes at grade 11 or better in both. <i>Exemption from GG2012 may be granted, with the permission of the Head of School, for students having passes in GG1001 and GG1002 and passes at 11 or better in GG2011 and in a 2000-level module in a cognate discipline. Students who gain entry with such a combination may be excluded from Honours optional modules for which they are insufficiently prepared.</i>
Third Year:	60 credits: GG3201; 60 credits in three of: GG3220 - GG3289.
Fourth Year:	50 credits: GG4298; 50 credits: GG4201 - GG4229; Between 20 and 25 further credits: GG3220-GG3289, ((ID4001 or ID4002) with GG3302).

Geography & Geosciences - Programme Requirements 2012/13 - September 2012

Geography - Joint Honours B.Sc. or M.A.	
<p>(B.Sc. Honours)</p> <p>Geography and one of: Environmental Biology, Management^T, Management Science, Mathematics, Statistics</p>	<p>(M.A. Honours)</p> <p>Geography and one of: Art History, Classical Studies, Comparative Literature, Economics, Film Studies, French^W, Hebrew, International Relations, Italian^W, Management^T, Mediaeval History, Middle East Studies, Modern History, Philosophy, Psychology, Scottish History, Social Anthropology, Spanish^W, Theological Studies</p>
<p>^T Second level Lecture/Lab Timetable clash means students choose non-clashing lab hours in Geography</p> <p>^W Available also as 'With Integrated Year Abroad' degree</p>	
<p>Geography element of Joint Honours B.Sc. or M.A.:</p> <p>First Year: 20 credits: GG1001 or GG1002.</p> <p>Second Year: 60 credits: GG2011 and GG2012 - with passes at grade 11 or better in both.</p> <p style="padding-left: 20px;"><i>Exemption from GG2012 may be granted, with the permission of the Head of School, for students having passes in GG1001 and GG1002 and passes at 11 or better in GG2011 and in a 2000-level module in a cognate discipline. Students who gain entry with such a combination may be excluded from Honours optional modules for which they are insufficiently prepared.</i></p> <p>Third Year: 30 credits: GG3202;</p> <p style="padding-left: 20px;">Up to 60 credits: GG3220 - GG3289, GG3301.</p> <p>Fourth Year: 30 credits: GG4297;</p> <p style="padding-left: 20px;">Further credits: GG3220 - GG3289, GG3302, GG4220 - GG4229, GG4301, (ID4001 or ID4002) - to a total of between 90 and 150 credits in Geography across Third and Fourth Years. In total, 240 credits are required at 3000 and 4000 level, including at least 90 credits in total at 4000 level.</p>	

Geography 'with'... - Honours M.A.
<p>Geography with Social Anthropology or Spanish^W</p> <p>^W Available also as 'With Integrated Year Abroad' degree</p>
<p>Geography Major element of M.A. Honours 'with' degree:</p> <p>First Year: 20 credits: GG1001 or GG1002.</p> <p>Second Year: 60 credits: GG2011 and GG2012 - with passes at grade 11 or better in both.</p> <p style="padding-left: 20px;"><i>Exemption from GG2012 may be granted, with the permission of the Head of School, for students having passes in GG1001 and GG1002 and passes at 11 or better in GG2011 and in a 2000-level module in a cognate discipline. Students who gain entry with such a combination may be excluded from Honours optional modules for which they are insufficiently prepared.</i></p> <p>Third Year: At least 30 credits: GG3202 - GG3203;</p> <p style="padding-left: 20px;">Further credits: GG3220 - GG3289, GG3301 - to a total of between 80 and 100 credits in Geography for the Year.</p> <p>Fourth Year: 50 credits: GG4298;</p> <p style="padding-left: 20px;">20 credits in one of: GG4220 - GG4229;</p> <p style="padding-left: 20px;">Further credits: GG3221 - GG3289, GG3302, GG4201, GG4220 - GG4229, GG4301, (ID4001 or ID4002), to a total of 180 credits in Geography across Third and Fourth Years.</p> <p>In total, 240 credits are required at 3000 and 4000 level, including at least 90 credits at 4000 level.</p>

Geography & Geosciences - Programme Requirements 2012/13 - September 2012

... 'with' Geography - Honours B.Sc. or M.A.	
(B.Sc. Honours) Mathematics with Geography	(M.A. Honours) Psychology, Russian^W, Social Anthropology or Spanish^W with Geography
^W Available also as 'With Integrated Year Abroad' degree	
<p>Geography Minor element of B.Sc. or M.A. Honours 'with' degree:</p> <p>First Year: 20 credits: GG1001 or GG1002.</p> <p>Second Year: 60 credits: GG2011 and GG2012 - with passes at grade 11 or better in both. <i>Exemption from GG2012 may be granted, with the permission of the Head of School, for students having passes in GG1001 and GG1002 and passes at 11 or better in GG2011 and in a 2000-level module in a cognate discipline. Students who gain entry with such a combination may be excluded from Honours optional modules for which they are insufficiently prepared.</i></p> <p>Third and Fourth Years: 60 credits in three of: GG3221 - GG3289, GG4220 - GG4229.</p> <p>In total, 240 credits are required at 3000 and 4000 level, including at least 90 credits at 4000 level.</p>	

Geology - Single Honours B.Sc.	
First Year:	40 credits: ES1001 and ES1002
Second Year:	90 credits: ES2001 and ES2002 and ES2003 - with passes at 11 or better in all. <i>Exemption from ES2003 may be considered on a case-by-case basis.</i>
Third Year:	120 credits: ES3001 and ES3002 and ES3003 and ES3004 and ES3005 and ES3006 and ES3007 and ES3009
Fourth Year:	90 credits: ES4001 and ES4002 and ES4003 and ES4004; 30 credits in two of: ES4006, ES4007, ES4009, ES3008, ID4001.

Geology - Single Honours B.Sc. Direct entry to second year for approved candidates with 120 advanced standing credits	
Second Year:	120 credits: ES2001 and ES2002 and ES2003 and ES2004 - with passes at grade 11 or better in all.
Third Year:	120 credits: ES3001 and ES3002 and ES3003 and ES3004 and ES3005 and ES3006 and ES3007 and ES3009
Fourth Year:	90 credits: ES4001 and ES4002 and ES4003 and ES4004; 30 credits in two of: ES4006, ES4007, ES4009, ES3008, ID4001.

Geology - Joint Honours B.Sc.

Geology and either Biology or Chemistry

Geology and Biology - Joint Honours B.Sc.

First Year: 80 credits: BL1101 **and** BL1102 **and** ES1001 **and** ES1002
 Second Year: 120 credits: BL2102 **and** BL2105 **and** ES2001 **and** ES2002 - with passes at 11 or better in all.
 (Including participation on the 2nd year Earth Sciences field course).
 Third Year: 80 credits: BL3000 **and** BL3220 **and** ES3001 **and** ES3004 **and** ES3008 **and** ES3005
 40 credits in two of: BL3307, BL3308, BL3316 BL3009, BL3318, BL3319.
 Fourth Year: 75 credits: BL4220 **and** ES4002 **and** ID4442.
 15 credits: ES3007 **or** ES3009 **or** ES4007 **or** ID4001.
 30 further credits in two of: BL4249, BL4254 - BL4256, BL4260, BL4262, BL4266, BL4268,
 BL4270, BL4272, BL4275, BL4280, BL4286, BL4301, ID4001.

Geology and Chemistry - Joint Honours B.Sc.

First Year: 100 credits: CH1401 **and** CH1402 **and** CH1601 **and** ES1001 **and** ES1002.
 Second Year: 90 credits: CH2501 **and** ES2001 **and** ES2002 - with passes at grade 11 or better in all.
 30 credits: CH2601 **or** CH2701.
 Third Year: 120 credits: CH3431 **and** CH3514 **and** CH3521 **and** CH3712 **and** CH3717 **and** CH3721 **and**
 ES3001 **and** ES3004 **and** ES3006 **and** ES3009.
 Fourth Year: 30 credits in three of: CH4514, CH4614, CH4714, CH4712, CH5711, CH5717;
 50 credits: (ES4010 **with** CH4448) **or** ID4441;
 10 credits: CH5518;
 30 credits in two of: ES3008, ES4006, ES4007, ES4009, ID4001.
 In total, 240 credits must be achieved at 3000 and 4000 level with at least 90 of these at 4000 level.

This course is accredited by the Royal Society of Chemistry (RSC) for professional membership.

Students still completing degree programmes as defined in previous Course Catalogues should discuss their module selections with their Honours Adviser(s).