

# BSc Specialization in Planning (2016-2017 Onwards)

## Year 1

BIOL 108 Intro to Biological Diversity  
EAS 100 Planet Earth  
EAS 105 The Dynamic Earth Through Time  
ECON 101 Intro to Microeconomics  
ENGL 1xx or WRS 1xx  
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HGP 100 Intro to Human Geography and Planning  
MATH 113 Elementary Calculus I **or** 114 Elementary Calculus I **or** 117 Honors Calculus **or** 144  
Calculus for the Physical Sciences  
STAT 151 Intro to Applied Statistics I  
\*3 Science option

## Year 2

BIOL 208 Principles of Ecology  
EAS 221 Intro to GIS and Remote Sensing  
EAS 225 Earth Surface Processes and Landforms  
EAS 250 Biogeography  
HGP 210 Intro Planning History and Practice  
HGP 211 Intro to Design Fundamentals for Planners  
HGP 240 Cities and Urbanism  
HGP 250 Natural Resources and Environmental Management  
\*3 Science option  
\*3 Open option

## Year 3

EAS 351 Environmental Applications of GIS  
HGP 310 Land Use Planning and Policy  
HGP 315 Community Planning and Engagement  
HGP 316 Planning Law  
HGP 317 Planning Theory  
HGP 355 Environmental Planning (see Note 3)  
HGP 399 Research Methods in Human Geography  
and Planning  
\*3 Science option (see Note 3)  
\*6 Approved courses (see Note 1)

## Year 4

HGP 410 Professional Planning Practice and  
Ethics  
HGP 412 Finance for Planners  
HGP 470 GIS and Advanced Cartography  
for Social Science (see Note 3)  
HGP 495 Planning Studio  
\*9 from List A (See Note 1)  
\*6 Science options (see Note 3)  
\*3 Open option

**Note 1** List A courses include: BIOL 299, 330, 331, 332, 333, 364, 365, 366, 381, 464 and 470; EAS 323, 324, 327, 401, 425, 427, 428, 451, 452, 457, 458.

**Note 2** For students entering the Student Internship Program, WKEXP 955, 956 and INT D 400 are required.

**Note 3** HGP 355, 381, 470 and 485 may be used as Science courses by students in the BSc Specialization in Planning program

**Note 4** For students entering Planning Specialization, credit in SCI 100 will be considered equivalent to BIOL 108, CHEM 101, CHEM 102, EAS 100, EAS 105, MATH 113, MATH 115, PHYS 144 and PHYS 146. Credit in SCI 151 will be considered equivalent to STAT 151 and \*3 Science option.

**Note 5** INT D 340 (Regional Planning) and INT D 345 (Rural Environments), offered by Faculty of Extension, are available for students to take. INT D 340 can fulfill an Arts Option. INT D 345 can fulfill a non-Arts Option. Students might have to pay extra fees for the two courses.

**Note 6** CIV E 315 and CIV E 411 can be used as 'open options' (Priority given to Civ E students. Pre-requisites necessary).

**Note 7** No more than \*42 of Junior Courses (courses numbered 199 or less) may be credited towards the Degree.

**Note 8** Continuation in the Specialization program requires a GPA of at least 2.3 on at least \*18 in the previous Fall/Winter session.

**Note 9** Students in the last year of the Specialization Program take only the number of courses required to graduate, providing they achieve a minimum GPA 2.3.

**Note 10** Students may not register in a course they have failed and/or withdrawn from twice without special permission from the Faculty of Science.

**Note 11** A minimum of \*66 in Science is required.

**Note 12** A student must take at least \*18 in Arts courses as part of the requirements.

**Note 13** The Science Internship Program (SIP) offers science undergraduate students work experience opportunities in addition to their academic courses. To be eligible to register in this program a student must:

(1) Have successfully completed a minimum of \*75, and not more than \*105, of a Science General, Honors or Specialization degree program with a declared major.

(2) Be in good standing and have a minimum 2.3 GPA in the previous Fall/Winter Terms. Students accepted into the program will receive access to approved position descriptions from employers wishing to hire SIP students. Employers are responsible for interviewing and selecting students for the positions. The internship may begin in May, September or January and must be of at least 4 months duration, but may extend to up to 16 months. Students are limited to one 4, 8, 12 or 16 month internship placement during their undergraduate degree. Work during the internship period is full time, for which the student is paid by the employer at competitive rates. The student, employer and the Faculty must agree to terms of the internship. It is not possible to guarantee that all students wishing to obtain an internship will be able to do so. During the period of the internship, the student registers in a work experience (WKEXP) course each term and is considered a full-time student at the University of Alberta. All students must register in WKEXP courses that have associated fees. Work experience courses are assigned no units of course weight and are graded credit/no credit. Grades are determined by the student's job performance as evaluated by the employer, and/or by the successful completion of assignments as assigned by the Faculty or designate. The Science Internship Program Coordinator maintains contact at approximately four-month intervals with the student and the person designated by the employer to be responsible for the student's progress. During this time if the student's performance is not

satisfactory as evaluated by the employer, the internship may be terminated and the student would then return to classes at the next available opportunity. Following completion of the work experience students return to the University to complete their degree program of studies. Students must complete the academic requirements of the Science Internship which takes the form of a 400-level SIP course (BSc Spec Planning students take INT D 400). The Internship designation will appear on the degree parchments of students who have successfully completed at least 8 months of work experience (WKEXP 801 and 802) plus INT D 400.

Students should be aware that under the Protection for Persons in Care Act, students can be required to satisfy a Criminal Record Check before being allowed to start an internship. Detailed information about the Science Internship Program is available at [ualberta.ca/Science Internship](http://ualberta.ca/Science%20Internship)

**Note 14** The 2016-2017 University Calendar does not reflect the exact courses due to an error. This planner accurately reflects what was approved by the Governance for the 2016-2017 Calendar.