

BS Hydrology: 65 credits in Major

Suggested Plan of Study

Department of Earth and Atmospheric Sciences: Phone 320-308-3260 or dmschlumberger@stcloudstate.edu

Hydrology Major Advisors

Dr. Jean Hoff 320-308-5914 jlhoff@stcloudstate.edu Dr. Juan Fedele 320-308-1049 jfedele@stcloudstate.edu

First Semester	Second Semester
EAS 230 or CHEM 140 (4cr) ⁴ MATH 211 or 221 (3-5cr) ENGL 191 (4cr) RIS GE from Distribution area A or C (3cr) Total semester credits = 14 to 16	EAS 230 or CHEM 140 (4cr) MATH 212 or 222 (3-4cr) CMST 192 (3cr) Democratic Citizenship 195 (3cr) GE from Distribution area A or C (3cr) Total semester credits = 16 to 17
Third Semester	Fourth Semester
¹ HYDRO requirements or EAS elective (4cr) EAS 220 (4cr) ⁵ CHEM 210 (4cr) GE from Distribution area A or C (3cr) Total semester credits = 15	¹ HYDRO requirements (4-7cr) CHEM 211 (4cr) PHYS 231 or 234 (4-5cr) ² GE from Distribution area A or C (0-3cr) Total semester credits = 15 to 18
Fifth Semester	Sixth Semester
¹ HYDRO requirements (3-7cr) PHYS 232 or 235 (4-5cr) EAS 260 (4cr) ^{2,3} EAS Elective (0-4cr) Total semester credits = 14 to 16	¹ HYDRO requirements (4-3cr) GEOG 316/317 (4cr) EAS 451 (1cr) ^{2,3} EAS Elective (3cr) ⁶ University Electives (4cr) PESS 122 (1cr) Total semester credits = 15 to 16
Seventh Semester	Eighth Semester
EAS 452 (2cr) ¹ HYDRO requirements (0-3cr) ^{2,3} EAS Elective (1-3) ⁶ University Electives (8-10cr) Total semester credits = 12 to 15	GE from Distribution area A or C (3cr) ⁶ University Electives (7-10cr) Total semester credits = 12 to 15

Notes:

¹All 300 and 400 level hydrology courses are offered on an every third semester basis. A meeting to map out the specific timing of these courses with a hydrology major advisor is recommended as early as possible. The HYDRO requirements are EAS 332, 334, and either 336 and 432 or 338 and 434. EAS 332 and 334 should be taken during either a student's sophomore year or early during a student's junior year.

²To be able to graduate in four years, EAS Electives or GE (General Education) Distribution courses should be taken to bring up the total number of credits during a semester to at least 15. The number of credits needed in EAS Electives or GE Distribution will depend on the number of credits of HYDRO requirements offered during a particular semester.

³The number of required EAS Electives in the Hydrology program depends on a student's choice of math sequence (MATH 211+212 or MATH 221+ 222) and physics sequence (PHYS 231+232 or PHYS 234+235). EAS courses from the list of recommended electives are taken to bring the number of credits taken for the major up to 65. The recommended EAS Electives are EAS 300, 305, 307, 322, 325, 380, 381, 401, 407, 423, 424, and 435. Additional courses may be accepted with advisor's approval.

⁴Students in this major do not take MATH/STAT 193 since a calculus sequence is required. The Math Placement Exam is required before enrolling in a math course. For information contact the Math Department at 320-308-3001.

⁵The Chemistry Department requires a placement exam before enrolling in Chem 210; further information can be obtained from the Chemistry Department at 320-308-3031.

⁶SCSU requires a minimum of 120 semester credits to earn a Bachelors degree with 45 of these credits taken at the 300 or 400-level. As part of this major a student will complete 25-32 credits at 300-400 level. Students need to take additional 300-400 level University Electives to meet the 45 credit minimum and reach the 120 total. These University Electives may be in any area or may be used to complete a minor in an area related to hydrology or may consist of additional hydrology or earth science coursework. GE Distribution courses numbered 300 or greater may also help to fulfill this requirement.

A total of 10 general education courses are required of students in this major : four core courses (Engl 191, CMST192, PHIL 194, Democratic Citizenship 195) and five courses in Distribution areas A and C (either 3 in area A and in area C or vice versa). Students in this major do not need any general education courses in Distribution area B. Three of the five courses from areas A and C must be Diversity courses (MGM). All SCSU students are required to complete a Racial Issues (RIS) course; all of these courses are included in Area C and fulfill one course in Area C.

