

Science/Math/Eng. Electives, General Electives, and Humanities

1. List of Science, Math, and Engineering Electives

Science Math and Engineering Elective is any 3 Cr or 4 Cr course at 200 level or higher in any area of Science, or Mathematics, or Engineering. Although students are free to select this elective, they are encouraged to take a course that will later serve as a prerequisite for more advanced courses that would be of interest. There are several required courses in Math and Science. Any course lower level to the required courses is not allowed as a Science Math and Engineering Elective. Also, if a course qualifies as a Humanities course, it is not allowed as a Science Math and Engineering Elective.

The following is a list of courses where 'x' represents any digit:

Departments/School	Courses
Accounting	33:010:2xx, 3xx, 4xx
Anthropology	01:070:2xx, 3xx, 4xx
Biological Sciences	01:115:2xx, 3xx, 4xx 01:119:2xx, 3xx, 4xx 01:126:2xx, 3xx, 4xx 01:146:2xx, 3xx, 4xx 01:694:2xx, 3xx, 4xx
Biotechnology	11:126: 2xx, 3xx, 4xx
Chemistry	01:160:2xx, 3xx, 4xx
Computer Science	01:198:2xx, 3xx, 4xx
Engineering (SOE)	14:xxx:2xx, 3xx, 4xx (Exception: 14:332:301 which counts as humanities)
Environmental Science	11:375:2xx, 3xx, 4xx
Food Science	11:400:2xx, 3xx, 4xx
Geography	01:450:2xx, 3xx, 4xx
Geological Sciences	01:460:2xx, 3xx, 4xx
Genetics	01:447:2xx, 3xx, 4xx
Food Science	01:400:2xx, 3xx, 4xx
Marine Sciences	01:628:2xx, 3xx, 4xx
Mathematics	01:640:2xx, 3xx, 4xx
Physics	01:750:2xx, 3xx, 4xx
Science, Technology, and Society:	01:880: 2xx, 3xx, 4xx
Statistics	01:960:2xx, 3xx, 4xx

2. Humanities/Social Science Requirements:

All SOE majors must take a total of 18cr of humanities/social science courses. For a description and list of acceptable humanities/social science requirements, please refer to the website:

<http://soe.rutgers.edu/oas/electives>.

The courses **01:355:101** Expository Writing and **01:220:102** Introduction to Microeconomics are required courses that are a part of the humanities/social science requirements. Additional advising information is available at <http://soe.rutgers.edu/oas>.

The course **14:332:301 Forces and Strategies That Shaped the Wireless Revolution** counts as an upper level Hum/Soc elective for SOE majors. It is neither a department elective, nor a technical elective, nor MSE elective, nor a part of the ECE residency requirement.

3. General Electives:

Almost any course taught for credit at Rutgers qualifies as a general elective, including technically oriented electives and humanities/social science electives. There are, however, a few exceptions. Such exceptions include remedial courses and courses related to athletics and sports. For more information, see <http://soe.rutgers.edu/oas/electives>. Although students are free to select this elective, they are encouraged to take an ECE course that will later serve as a prerequisite for more advanced ECE courses that would be of interest.