

# BIOLOGY & SOCIETY: COURSE CHECKLIST

## I. BASIC COURSES

- A. Biological Sciences** Two of the following: BioEE 1610 or BioSM 1610; BioEE 1780 or BioSM 1780; BioG 1440 or BioG 1445; or BioMG 1350. Avoid forbidden overlaps as indicated. Students are not required to take BioG 1500, but may wish to for a lab experience. Minimum grade of C- in each of the two Intro Bio courses or proven success in biology foundation breadth is required.
- B. College Calculus** (one course):\* Math 1106, 1110, 1120 or any higher level calculus
- C. RECOMMENDED BUT NOT REQUIRED:** General Chemistry (one year sequence) (prerequisite to biochemistry and other chemistry courses): Chemistry 1560, 2070-2080, or 2150-2160

\*\*\*\*\*

**NOTE:** All courses taken to fulfill B&Soc requirements (except basic courses as above) must be at the 2000-level or above (exceptions: Math 1710, NS 1150, NS 1220, BSOC 1941 & 1942), at least 3 credit hours, taken for a letter grade, and students must receive at least a C- as a final grade. Unless a course is designated "elective," it must be chosen from the BSOC list, which may be obtained in 303 Morrill Hall.

\*\*\*\*\*

## II. FOUNDATION COURSES (Ethics should be completed by end of junior year). These courses are intended to provide a broad introduction to a methodology and theory in each of the following areas.

- A. Ethics:** One course. Either BSOC/S&TS 2051 or BSOC/S&TS 2061  
Course # & Title \_\_\_\_\_
- B. Social Sciences/Humanities Foundation:** Two courses. One from each of two of the following subject areas: History of Biology/History of Science; Philosophy of Science; Sociology of Science; Politics of Science; Science Communication:\*\*. See BSOC listing for approved courses.
1. Area: \_\_\_\_\_ Course # & Title \_\_\_\_\_
2. Area: \_\_\_\_\_ Course # & Title \_\_\_\_\_
- C. Biology Foundation (BREADTH):** Three courses. One from each of three of the following subject areas: Ecology (BioEE 2650 or BioSM 3640 or BioSM 3750); Biochemistry, Molecular and Cell Biology (BioMG 3300 or 3310 or 3330 or 3350 or NS 3200); Genetics & Development (BIOMG 2800 or BioMG 2820 or PLBR 2250, or NTRES 2830); Neurobiology (BioNB 2220); Animal Behavior (BioNB 2210, BioNB 2213 or BioSM 3290); Anatomy & Physiology (NS 3410 or BioAP 3110 or DEA 4520 formerly 3520); Biological Diversity (BioMI 2900 or BioPL 2410 or BioPL 2430 or BioPL 2480 or BioSM 3730 or BioEE 2740 or BioEE 4500 or BioEE 4750 or BioEE 4760 or BioEE 4700 **AND** 4701 or ENTOM 2120 or PLPA 3010 or PLPA 3090 or BioSM 3100 or BioSM 3740 or BioSM 3770 or BioSM 4490 or BioSM 3210 or BioSM 3080); Nutrition (NS 1150 or NS 1220++)
1. Area: \_\_\_\_\_ Course # & Title \_\_\_\_\_
2. Area: \_\_\_\_\_ Course # & Title \_\_\_\_\_
3. Area: \_\_\_\_\_ Course # & Title \_\_\_\_\_
- D. Biology Foundation (DEPTH):** One course for which one of the biology breadth courses (in 2.C) is a prerequisite (see++ note below regarding NS 1150 or NS 1220).  
Area: \_\_\_\_\_ Course # & Title \_\_\_\_\_
- E. Statistics:** Choose one from: Btry 3010, AEM 2100, ILRST 2100, STSCI 2150, Soc 3010, Math 1710, PAM 2100, Econ 3130, and Psych 3500 (Pam 2100 and SOC 3010 only available to CHE & Arts students respectively)  
Course # & Title \_\_\_\_\_

## III. CORE COURSE: (one course). BSOC 3011, BSOC 2821, BSOC 1942, NTRES 2320 (or previously approved course). Completed by end of junior year.

Core Course # & Title \_\_\_\_\_

## IV. THEME: Five courses forming a coherent theme.

**SUGGESTED THEMES:** Biology, Behavior & Society; Biology & Public Policy; Biology & Human Population; Environment & Society; Health & Society; Other (developed by you)

**YOUR THEME:** \_\_\_\_\_

- A. Biology & Society Natural Sciences Issues/Biology Elective** (two courses) Select from the list of BSOC-approved Natural Sciences Issues courses\*\* or choose courses which specify introductory biology as a prerequisite.  
Course # & Title \_\_\_\_\_  
Course # & Title \_\_\_\_\_
- B. Humanities/Social Sciences Electives+** (Two courses. Courses from the list of Senior Seminars may be used as theme electives if not used to meet another requirement).\*\*  
Course # & Title \_\_\_\_\_  
Course # & Title \_\_\_\_\_
- C. Senior Seminar\*\*** (One course from the approved list taken junior or senior year). Courses change yearly.  
Course # & Title \_\_\_\_\_

## NOTES:

\*Students may petition to take a second statistics course (an advanced course, in sequence with the statistics course taken in the foundation) in place of calculus.

\*\*A list of courses that meet these requirements is available in 306 Rockefeller Hall. Senior Seminar may be taken in junior year. ++A list of approved depth courses using NS 1150 or 1220 as a prerequisite is on the back. Starting with the class of '14, CHE students may not use NS 1150 or 1220 for the major.

\*\*AP credit only accepted for Calculus and Statistics requirements.