

Course Requirements for NS-CALS major:

1. NATURAL SCIENCES

Introductory biology, 8 cr [BIOG 1500 plus two introductory biology lectures]

Introductory chemistry, 8 cr [CHEM 2070-2080 or 2150-2160]

Organic chemistry lecture, 3-8 cr [CHEM 1570 (not for pre-med), 3530, 3570-3580, or 3590-3600]

Organic chemistry lab, 2-4 cr [CHEM 2510 or CHEM 3010]

Physiology, 3 cr [NS 3410(3)] or BIOAP 3110(3)]

Biochemistry, 4-6 cr [NS 3200(4)], [BIOMG 3300(4)], [BIOMG 3310(3) + BIOMG 3320(2)], or [BIOMG 3310(3) + BIOMI 2900(3)], [BIOMG 3350(4)] or [BIOMG 3330(4)]

2. NUTRITIONAL SCIENCES [Count toward 55 required cr in CALS. Letter grade only]

Core courses, 16 cr: **NS 1150 Nutrition, Health and Society** [F,3]

NS 2450 Social Science Perspectives on Food and Nutrition [F,3]

NS 3450 Nutritional and Physicochemical Aspects of Foods [F,3]

NS 3310 Nutrient Metabolism [S,4]

NS 3320 Methods in Nutritional Sciences [F,3]

Advanced electives in Nutritional Sciences, 9 cr **NS courses at 3000 level or above**. May include only 3 cr of NS 4000, 4010, 4020, or 4990. May include NS 3410 **only** if BIOAP 3110 is taken to meet physiology requirement. May **not** include NS 3200, NS 3980, NS 4620, and NS 4030 (TA)

For dietetics: Additional dietetics NS courses at 3000 or above will be counted toward this requirement.

3. SOCIAL SCIENCES, HUMANITIES, and COMMUNICATION

Humanities and Social Sciences, 12 credits as per CALS college distribution requirements. Four courses of at least 3 credits in 3 different categories. No more than two courses from the same course subject. One course must be in the Diversity category (D). Check "DUST" for more information about course selection.

Written and Oral Expression, 9 cr as per CALS distribution requirements.: Need 6 credits of Written Expression and 3 credits of Written or Oral Expression

4. QUANTITATIVE & ANALYTICAL

Calculus or Advanced Math: 3 -4 cr. Select from Math 1105 [3], MATH 1106[4], MATH 1110[4], MATH 1120 [4], BTRY 1150 (4 cr), or a score of 4 or 5 on the AP calculus exam.

Statistics: 4 cr. Select from AEM 2100 [4], BTRY 3010 [4], MATH 1710 [4], SOC 3010 [4], or PSYCH 3500 [4], PAM 2100 [4], STSCI 2150, STSCI 2100/ILRST 2120 [4]

5. ELECTIVES IN AGRICULTURE & LIFE SCIENCES [9cr outside major but within the college. CALS credits]

9 cr from **ANY** of the following areas selected with faculty advisor to support student's interests and goals. (These courses MAY NOT also be applied to Social Science, Humanities, Communication, Math/Statistics, or other College's distribution requirements (3-4 above)). **Areas of elective study**:

Food Production and Marketing: courses in Food Science; Animal Science; Plant Science; Biological and Environmental Engineering; International Agriculture and Rural Development. (FOOD 1500 may NOT be used because is redundant with NS 1150.)

Food Policy: courses in Applied Economics and Management; Developmental Sociology; and International Agriculture and Rural Development, Plant Breeding.

Life sciences: courses in Biological Sciences, Plant Sciences, Animal Science, Horticulture, Plant Breeding and Genetics, and Plant Pathology. (MAY NOT include introductory biology, physiology, or biochemistry courses used for Natural Sciences requirement. MAY include BIOAP 3110 only if NS 3410 is used for physiology requirement. MAY include BIOMI 2900 if other biochemistry courses are taken to meet biochemistry requirement.)

Environment: courses in Natural Resources; Crop and Soil Sciences; and Applied Economics and Management