

Minor in SOIL SCIENCE
School of Integrative Plant Science
Section of Soil and Crop Science
updated: August 2013, August 2015

ELIGIBILITY FOR THE MINOR: Any student in any major at Cornell University may apply by filing a letter with the Director of Undergraduate Studies in Crop and Soil Sciences stating their intention to minor in Soil Science. The letter should identify the student's college, major(s), and academic advisor(s) and be filed before the third week of their next-to-last semester as an undergraduate student at Cornell University. The Director of Undergraduate Studies will assign a minor advisor and maintain a list of minor students and their minor advisors. The student and the minor advisor together will plan an individualized curriculum to meet the requirements for the Minor in Soil Science. It is up to the student to keep the major advisor(s) informed of these plans.

REQUIREMENTS OF THE MINOR:

The minor in Soil Science consists of a total of 15 credits in soil science coursework.

To graduate with a Minor in *Soil Science*, the student must submit to the minor advisor a "**List of Courses Taken that Satisfy the Requirements for a Minor in Soil Science**," including the credit assigned and the grade given. At least half of the courses must be taken at Cornell for the minor to be reported on the Cornell transcript. At least 11 of the 15 credits must be taken for a letter grade. The student must also provide a copy of his or her transcript (downloaded from the web site) to verify the course work and grades. The minor advisor will sign and date the "List of Courses..." and indicate in writing on the list that the requirements have been met. The minor advisor should retain a copy of the completed "List of Courses..." and notify the College Registrar that the requirements have been satisfied by signing the Application to Graduate in the appropriate place.

CONTACT:

Antonio DiTommaso, 903 Bradfield Hall (607-254-4702) ad97@cornell.edu

Or

Amy Lanfair, 236 Emerson Hall (607/255-5459) acl10@cornell.edu

Note: Those students who wish to assure that they have met the minimum course requirements for a US Federal Government Civil Service classification as **Soil Conservationist** (GS-0457) or **Soil Scientist** (GS-0470) should review the qualifications on the relevant web pages and discuss these with their minor advisor.

CIVIL SERVICE REQUIREMENTS can be reviewed on the World Wide Web:
Qualification Standards for General Schedule Positions

<http://www.opm.gov/qualifications/SEC-IV/B/GS0400/0457.HTM>

<http://www.opm.gov/qualifications/SEC-IV/B/GS0400/0470.HTM>

For additional information on becoming a **Certified Professional Soil Scientist/Classifier** from the Soil Science Society of America (SSSA), visit:

<https://www.soils.org/certifications/seminars/nrcs-csp>

SOIL SCIENCE MINOR (continued)

ELIGIBLE COURSES († indicates course with laboratory component)

- **REQUIRED:** †CSS 2600 (Soil Science) 4 cr
- Complete at **least two courses (minimum 7 credits)** from the list of courses below.

Soil Science.

- †PLSCS 3210 (Soil and Crop Management for Sustainability) 4 cr
- †PLSCS 3620 (Soil Morphology) 1 cr
- †PLSCS 3630 (Soil Genesis, Classification, and Survey) 4 cr
- PLSCS 3650 (Environmental Chemistry: Soil, Air, and Water) 3 cr
- †ANSC 4120 (Whole Farming Nutrient Management) 4 cr **only 2 cr eligible**
- †PLSCS 4660 (Soil Ecology) 4 cr
- †PLSCS 4720 (Nutrient Management and Research in Agroecosystems) 4 cr
- EAS 4830 (Environmental Biophysics) 3 cr

- Complete at **least one course (minimum 3 credits)** from the list of courses below.

Environmental Information Science.

- †PLSCS/CEE 4110 (Remote Sensing for Environmental Resource Inventory) 3 cr
- †PLSCS 4200 (Geographic Information Systems) 3 cr

- Additional eligible courses.

Biological, Physical, and Earth Sciences.

- †BEE 3710 (Physical Hydrology for Ecosystems) 3 cr
- †BEE 4730 (Watershed Engineering) 4 cr
- BEE 4740 (Water and Landscape Engineering Applications) 3 cr
- †EAS/NTRES 3030 (Introduction to Biogeochemistry) 4 cr

**Courses Taken that Satisfy the Requirements for
a Minor in SOIL SCIENCE**

Student information:

Name: _____

Phone number: _____

Major: _____

e-mail: _____

Current address:

Minor Advisor's Approval:

Name: _____

Home address:

Signature: _____

Date: _____

15 credits in soil science coursework required

Courses: _____ **Credit** **Grade** **Semester**

Soil Science

PLSCS 2600 (Soil Science)	4 cr
PLSCS 3210 (Soil & Crop Mngt for Sustainability)	4 cr
PLSCS 3620 (Soil Morphology)	1 cr
PLSCS 3630 (Soil Genesis, Classification, & Survey)	4 cr
PLSCS 3650 (Env. Chemistry: Soil, Air, and Water)	3 cr
ANSC 4120 (Whole Farm Nutr Mngt)(<i>only 2 cr eligible</i>)	2 cr
PLSCS 4660 (Soil Ecology)	4 cr
PLSCS 4720 (Nutrient Mngt and Res in Agroecosyst)	4 cr
EAS 4830 (Environmental Biophysics)	3 cr

Transferred course:

Transferred course:

Environmental Information Science

PLSCS/CEE 4110 (Remote Sens. Environ Res Inven)	3 cr
PLSCS 4200 (Geographic Information Systems)	3 cr

Transferred course:

Transferred course:

Biological, Physical, and Earth Sciences

BEE 3710 (Physical Hydrology for Ecosystems)	3 cr
BEE 4730 (Watershed Engineering)	4 cr
BEE 4740 (Water and Landscape Engineering Apps)	3 cr
EAS/NTRES 3030 (Introduction to Biogeochemistry)	4 cr

Transferred course:

Transferred course: