Environmental professionals develop and implement regulations and policies to protect the environment, manage wastes, recover byproducts, and enhance human, animal, and plant health.

This program represents an opportunity for the student to acquire essential knowledge to accomplish the following:

• understand the principles (theory) and methodologies of environmental systems with emphasis on application,

• apply conceptual and technical knowledge to real-world problem solving by selecting courses related to each student’s area of interest,

• understand the appropriate role of the professional and the ethical standards in environmental management practice,

• be exposed to recent research in environmental systems and to practitioners in the field through seminars and the student making a contribution by presenting a seminar.

Students may join the program at the beginning of any semester and may take most graduate courses in any order and take the number of classes per semester that meets their needs. Classes are delivered online by digital video streaming. Students may choose the day, time and location to observe the class lectures allowing for maximum flexibility.

Admission Requirements
Entry into the Environmental Systems Graduate Certificate Program requires a bachelor’s degree from a regionally accredited institution with a grade point average of 3.0 or more. Relevant experience may substitute for lower grades. Students may transfer up to 6 credits from other institutions, subject to approval by the Environmental Engineering Division faculty.

Application and admission procedures can be found at the CCEE website and on the Graduate College website at [http://www.grad-college.iastate.edu/programs/APresults3.php?apnumber=83](http://www.grad-college.iastate.edu/programs/APresults3.php?apnumber=83). Students may take up to 9 credits as a non-degree seeking student, so it is possible to begin studies before formal admittance into the program. The remaining course(s) could be completed online.

Certificate Requirements
The Environmental Engineering Graduate Certificate consists of a minimum of 12 approved graduate credits, with at least 6 of those credits listed from the core courses. Required also is a seminar course CE 591 from the Department of Civil, Construction, and Environmental Engineering or course approved by the Agricultural and Biosystems Engineering graduate faculty. Students must maintain a grade average of C or higher in all coursework and must maintain a cumulative average of 3.00 or higher. Go to: [http://www.dee.iastate.edu/Certificate/Graduate-Certificates-Online/envs.html](http://www.dee.iastate.edu/Certificate/Graduate-Certificates-Online/envs.html) for more details.

Note:
Most courses are offered once per year, others once every two years. Completion of introductory courses may be required for no credit of students who are deficient in environmental engineering background. Graduate credits earned could count towards a subsequent master’s degree.