

Civil and Environmental Engineering, PhD

Academic Plans

Sample Plans of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.

Civil and Environmental Engineering, PhD

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Environmental Engineering Subprogram

Course	Title	Hours
Academic Career		
Any Semester		
72 s.h. of graduate level coursework must be completed; up to 24 s.h. of graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. ^a		
Hours		0
First Year		
Any Semester		
Qualifying Exam ^b		
Hours		0
Fall		
CEE:5440	Foundations of Environmental Chemistry and Microbiology	3
CEE:5380	Fluid Flows in Environmental Systems	3
CEE:5410	Politics and Economics of the Food, Energy, Water Nexus	3
ENGR:7270	Engineering Ethics ^c	1
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
Hours		10
Spring		
CEE Elective course ^e		3
CEE Elective course ^e		3
CEE:5350	Watershed Hydrology and Ecosystem Processes	3
CEE:5095	Career Paths in Sustainable Water Development ^f	0

CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
Hours		9

Second Year

Any Semester

Comprehensive Exam ^g		
Hours		0

Fall

CEE Elective course ^e		3
CEE Elective course ^e		3
CEE Elective course ^e		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	6
Hours		15

Spring

CEE:6225	Communicating Science ^j	3
CEE Elective course ^e		3
CEE Elective course ^e		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	6
Hours		15

Third Year

Fall

CEE Elective course ^e		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	9
Hours		12

Spring

CEE Elective course ^e		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	6
Hours		9

Fourth Year

Fall

CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	2
Hours		2

Spring

Final Exam ^k

CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
Hours		0
Total Hours		72

- a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
- b Typically completed by the end of the first year. Refer to the CEE website and the Graduate College Manual of Rules and Regulations for details.
- c Must be completed during first semester.
- d Required every semester.
- e Work with academic advisor to determine graduate elective coursework and sequence. See General Catalog and CEE website for specifics.
- f Typically this course is offered in spring semesters only. Check MyUI for course availability since offerings are subject to change.
- g Oral exam typically completed by the end of the second year after passing the Qualifying Exam; written dissertation prospectus must be submitted to the committee two weeks before exam.
- h Enrollment during four semesters is required.
- i Total of 29 s.h. from CEE:7999 is required. May take up to 6 s.h. for a letter grade; all other credits must be taken on S/U basis.
- j Technical communication requirement; approved courses include RHET:7500, RHET:7930, RHET:7940. Other courses may be considered and should be submitted to the CEE Director of Graduate Studies for approval.
- k Oral dissertation defense.

Environmental Science Subprogram

Course	Title	Hours
Academic Career		
Any Semester		
72 s.h. of graduate level coursework must be completed; up to 24 s.h. of graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. ^a		
Hours		0
First Year		
Any Semester		
Qualifying Exam ^b		
Hours		0
Fall		
CEE:5440	Foundations of Environmental Chemistry and Microbiology	3
CEE:5380	Fluid Flows in Environmental Systems	3
CEE:5410	Politics and Economics of the Food, Energy, Water Nexus	3
ENGR:7270	Engineering Ethics ^c	1
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
Hours		10
Spring		
CEE Elective course ^e		
		3
CEE Elective course ^e		
		3

CEE:5350	Watershed Hydrology and Ecosystem Processes	3
CEE:5095	Career Paths in Sustainable Water Development ^f	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
Hours		9

Second Year

Any Semester

Comprehensive Exam ^g		
Hours		0
Fall		
CEE Elective course ^e		
		3
CEE Elective course ^e		
		3
CEE Elective course ^e		
		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	6
Hours		15

Spring

CEE:6225	Communicating Science ^j	3
CEE Elective course ^e		
		3
CEE Elective course ^e		
		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	6
Hours		15

Third Year

Fall		
CEE Elective course ^e		
		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	9
Hours		12

Spring

CEE Elective course ^e		
		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	6
Hours		9

Fourth Year

Fall		
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	2
Hours		2

SpringFinal Exam^k

CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
Hours		0
Total Hours		72

- a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
- b Typically completed by the end of the first year. Refer to the CEE website and the Graduate College Manual of Rules and Regulations for details.
- c Must be completed during first semester.
- d Required every semester.
- e Work with academic advisor to determine graduate elective coursework and sequence. See General Catalog and CEE website for specifics.
- f Typically this course is offered in spring semesters only. Check MyUI for course availability since offerings are subject to change.
- g Oral exam typically completed by the end of the second year after passing the Qualifying Exam; written dissertation prospectus must be submitted to the committee two weeks before exam.
- h Enrollment during four semesters is required.
- i Total of 29 s.h. from CEE:7999 is required. May take up to 6 s.h. for a letter grade; all other credits must be taken on S/U basis.
- j Technical communication requirement; approved courses include RHET:7500, RHET:7930, RHET:7940. Other courses may be considered and should be submitted to the CEE Director of Graduate Studies for approval.
- k Oral dissertation defense.

Hydraulics Subprogram

Course	Title	Hours
Academic Career		
Any Semester		
72 s.h. of graduate level coursework must be completed; up to 24 s.h. of graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website.		
Hours		0
First Year		
Any Semester		
Qualifying Exam ^b		
Hours		0
Fall		
CEE:5440	Foundations of Environmental Chemistry and Microbiology	3
CEE:5380	Fluid Flows in Environmental Systems	3
CEE:5410	Politics and Economics of the Food, Energy, Water Nexus	3
ENGR:7270	Engineering Ethics ^c	1
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
Hours		10

Spring

CEE Elective course ^e		3
CEE Elective course ^e		3
CEE:5350	Watershed Hydrology and Ecosystem Processes	3
CEE:5095	Career Paths in Sustainable Water Development ^f	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
Hours		9

Second Year**Any Semester**

Comprehensive Exam ^g		
Hours		0

Fall

CEE Elective course ^e		3
CEE Elective course ^e		3
CEE Elective course ^e		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	6
Hours		15

Spring

CEE:6225	Communicating Science ^j	3
CEE Elective course ^e		3
CEE Elective course ^e		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	6
Hours		15

Third Year**Fall**

CEE Elective course ^e		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	9
Hours		12

Spring

CEE Elective course ^e		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	6
Hours		9

Fourth Year**Fall**

CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
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CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	2
Hours		2
Spring		
Final Exam ^k		
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
Hours		0
Total Hours		72

- a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
- b Typically completed by the end of the first year. Refer to the CEE website and the Graduate College Manual of Rules and Regulations for details.
- c Must be completed during first semester.
- d Required every semester.
- e Work with academic advisor to determine graduate elective coursework and sequence. See General Catalog and CEE website for specifics.
- f Typically this course is offered in spring semesters only. Check MyUI for course availability since offerings are subject to change.
- g Oral exam typically completed by the end of the second year after passing the Qualifying Exam; written dissertation prospectus must be submitted to the committee two weeks before exam.
- h Enrollment during four semesters is required.
- i Total of 29 s.h. from CEE:7999 is required. May take up to 6 s.h. for a letter grade; all other credits must be taken on S/U basis.
- j Technical communication requirement; approved courses include RHET:7500, RHET:7930, RHET:7940. Other courses may be considered and should be submitted to the CEE Director of Graduate Studies for approval.
- k Oral dissertation defense.

Structures, Mechanics and Materials Subprogram

Course	Title	Hours
Academic Career		
Any Semester		
72 s.h. must be graduate level coursework; up to 24 s.h. of graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. ^a		
Hours		0
First Year		
Any Semester		
Qualifying Exam ^b		
Hours		0
Fall		
CEE Core course ^c		3
CEE Core course ^c		3
CEE Core course ^c		3
ENGR:7270	Engineering Ethics ^d	1
CEE:5098	Graduate Seminar in Structures, Materials, Mechanics, and Transportation ^e	0
Hours		10

Spring		
CEE Core course ^c		3
CEE Core course ^c		3
CEE Elective course ^f		3
CEE Elective course ^f		3
CEE:5098	Graduate Seminar in Structures, Materials, Mechanics, and Transportation ^e	0
Hours		12

Second Year

Any Semester

Comprehensive Exam ^g		
Hours		0
Fall		
CEE Elective course ^f		3
CEE Elective course ^f		3
CEE Elective course ^f		3
CEE:5098	Graduate Seminar in Structures, Materials, Mechanics, and Transportation ^e	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ^h	6
Hours		15

Spring

CEE:6225	Communicating Science ⁱ	3
CEE Elective course ^f		3
CEE Elective course ^f		3
CEE:5098	Graduate Seminar in Structures, Materials, Mechanics, and Transportation ^e	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ^h	6
Hours		15

Third Year

Fall

CEE Elective course ^f		3
CEE:5098	Graduate Seminar in Structures, Materials, Mechanics, and Transportation ^e	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ^h	9
Hours		12

Spring

CEE:5098	Graduate Seminar in Structures, Materials, Mechanics, and Transportation ^e	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ^h	6
Hours		6

Fourth Year

Fall

CEE:5098	Graduate Seminar in Structures, Materials, Mechanics, and Transportation ^e	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ^h	2
Hours		2

Spring

CEE:5098	Graduate Seminar in Structures, Materials, Mechanics, and Transportation ^e	0
Final Exam ^j		
Hours		0
Total Hours		72

- a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
- b Typically completed by the end of first year; refer to department website and Graduate Handbook for specifics.
- c Complete five courses from CEE:4512, CEE:5513, CEE:5540, CEE:4533, CEE:5179, CEE:5310.
- d Must be completed during first semester.
- e Required every semester.
- f Work with academic advisor to determine elective graduate coursework and sequence. See General Catalog and department website for specifics.
- g Oral exam to be completed within one year of passing the Qualifying Exam, typically by the end of second year; a written prospectus is submitted to the committee two weeks before oral exam.
- h Minimum of 29 s.h. required. Up to 6 s.h. for a letter grade; all other credits must be taken on S/U basis.
- i Technical communication requirement; approved courses include RHET:7500, RHET:7930, RHET:7940. Other courses may be considered and should be submitted to the CEE Director of Graduate Studies for approval.
- j Dissertation defense.

Sustainable Water Development Subprogram

Course	Title	Hours
Academic Career		
Any Semester		
72 s.h. of graduate level coursework must be completed; up to 24 s.h. of graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website.		
Hours		0
First Year		
Any Semester		
Qualifying Exam ^b		
Hours		0
Fall		
CEE:5440	Foundations of Environmental Chemistry and Microbiology	3
CEE:5380	Fluid Flows in Environmental Systems	3
CEE:5410	Politics and Economics of the Food, Energy, Water Nexus	3
ENGR:7270	Engineering Ethics ^c	1
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
Hours		10
Spring		
CEE Elective course ^e		3

CEE Elective course ^e		3
CEE:5350	Watershed Hydrology and Ecosystem Processes	3
CEE:5095	Career Paths in Sustainable Water Development ^f	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
Hours		9

Second Year**Any Semester**

Comprehensive Exam ^g		
Hours		0
Fall		
CEE Elective course ^e		3
CEE Elective course ^e		3
CEE Elective course ^e		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	6
Hours		15

Spring

CEE:6225	Communicating Science ^j	3
CEE Elective course ^e		3
CEE Elective course ^e		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	6
Hours		15

Third Year**Fall**

CEE Elective course ^e		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	9
Hours		12

Spring

CEE Elective course ^e		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	6
Hours		9

Fourth Year**Fall**

CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
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CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	2
Hours		2
Spring		
Final Exam ^k		
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
Hours		0
Total Hours		72

- a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
- b Typically completed by the end of the first year. Refer to the CEE website and the Graduate College Manual of Rules and Regulations for details.
- c Must be completed during first semester.
- d Required every semester.
- e Work with academic advisor to determine graduate elective coursework and sequence. See General Catalog and CEE website for specifics.
- f Typically this course is offered in spring semesters only. Check MyUI for course availability since offerings are subject to change.
- g Oral exam typically completed by the end of the second year after passing the Qualifying Exam; written dissertation prospectus must be submitted to the committee two weeks before exam.
- h Enrollment during four semesters is required.
- i Total of 29 s.h. from CEE:7999 is required. May take up to 6 s.h. for a letter grade; all other credits must be taken on S/U basis.
- j Technical communication requirement; approved courses include RHET:7500, RHET:7930, RHET:7940. Other courses may be considered and should be submitted to the CEE Director of Graduate Studies for approval.
- k Oral dissertation defense.

Transportation Subprogram

Course	Title	Hours
Academic Career		
Any Semester		
72 s.h. must be graduate level coursework; up to 24 s.h. of graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. ^a		
Hours		0
First Year		
Any Semester		
Qualifying Exam ^b		
Hours		0
Fall		
CEE:5310	Informatics for Sustainable Systems	3
CEE:4560	Pavement Engineering	3
CEE:5678	Application Simulation to Transportation	3
ENGR:7270	Engineering Ethics ^c	1

CEE:5098	Graduate Seminar in Structures, Materials, Mechanics, and Transportation ^d	0
Hours		10

Spring		
CEE:4730	Transportation Infrastructure Construction and Management	3
STAT:4200	Statistical Methods and Computing or STAT:4100 or Mathematical Statistics I	3
CEE Elective course ^e		3
CEE Elective course ^e		3
CEE:5098	Graduate Seminar in Structures, Materials, Mechanics, and Transportation ^d	0
Hours		12

Second Year		
Any Semester		
Comprehensive Exam ^f		
Hours		0

Fall		
CEE Elective course ^e		3
CEE Elective course ^e		3
CEE Elective course ^e		3
CEE:5098	Graduate Seminar in Structures, Materials, Mechanics, and Transportation ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ^g	6
Hours		15

Spring		
CEE:6225	Communicating Science ^h	3
CEE Elective course ^e		3
CEE Elective course ^e		3
CEE:5098	Graduate Seminar in Structures, Materials, Mechanics, and Transportation ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ^g	6
Hours		15

Third Year		
Fall		
CEE Elective course ^e		3
CEE:5098	Graduate Seminar in Structures, Materials, Mechanics, and Transportation ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ^g	9
Hours		12

Spring		
CEE:5098	Graduate Seminar in Structures, Materials, Mechanics, and Transportation ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ^g	6
Hours		6

Fourth Year		
Fall		
CEE:5098	Graduate Seminar in Structures, Materials, Mechanics, and Transportation ^d	0

CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ^g	2
Hours		2
Spring		
CEE:5098	Graduate Seminar in Structures, Materials, Mechanics, and Transportation ^d	0
Final Exam ⁱ		0
Hours		0
Total Hours		72

- a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
- b Typically completed by the end of first year; refer to department website and Graduate Handbook for specifics.
- c Must be completed during first semester.
- d Required every semester.
- e Work with academic advisor to determine elective graduate coursework and sequence. See General Catalog and department website for specifics.
- f Oral exam to be completed within one year of passing the Qualifying Exam, typically by the end of second year; a written prospectus is submitted to the committee two weeks before oral exam.
- g Minimum of 29 s.h. required. Up to 6 s.h. for a letter grade; all other credits must be taken on S/U basis.
- h Technical communication requirement; approved courses include RHET:7500, RHET:7930, RHET:7940. Other courses may be considered and should be submitted to the CEE Director of Graduate Studies for approval.
- i Dissertation defense.

Water Resources Subprogram

Course	Title	Hours
Academic Career		
Any Semester		
72 s.h. of graduate level coursework must be completed; up to 24 s.h. of graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website.		
Hours		0
First Year		
Any Semester		
Qualifying Exam ^b		0
Hours		0
Fall		
CEE:5440	Foundations of Environmental Chemistry and Microbiology	3
CEE:5380	Fluid Flows in Environmental Systems	3
CEE:5410	Politics and Economics of the Food, Energy, Water Nexus	3
ENGR:7270	Engineering Ethics ^c	1
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
Hours		10
Spring		
CEE Elective course ^e		3

CEE Elective course ^e		3
CEE:5350	Watershed Hydrology and Ecosystem Processes	3
CEE:5095	Career Paths in Sustainable Water Development ^f	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
Hours		9

Second Year Any Semester

Comprehensive Exam ^g		0
Hours		0
Fall		
CEE Elective course ^e		3
CEE Elective course ^e		3
CEE Elective course ^e		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	6
Hours		15

Spring

CEE:6225	Communicating Science ^j	3
CEE Elective course ^e		3
CEE Elective course ^e		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	6
Hours		15

Third Year

Fall		
CEE Elective course ^e		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	9
Hours		12

Spring

CEE Elective course ^e		3
CEE:5097	Coaching Seminar on Communicating Water Science ^h	0
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	6
Hours		9

Fourth Year

Fall		
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0

CEE:7999	Research: Civil and Environmental Engineering PhD Dissertation ⁱ	2
Hours		2
Spring		
Final Exam ^k		
CEE:5096	Water, Energy, and Food Nexus Seminar ^d	0
Hours		0
Total Hours		72

- a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
- b Typically completed by the end of the first year. Refer to the CEE website and the Graduate College Manual of Rules and Regulations for details.
- c Must be completed during first semester.
- d Required every semester.
- e Work with academic advisor to determine graduate elective coursework and sequence. See General Catalog and CEE website for specifics.
- f Typically this course is offered in spring semesters only. Check MyUI for course availability since offerings are subject to change.
- g Oral exam typically completed by the end of the second year after passing the Qualifying Exam; written dissertation prospectus must be submitted to the committee two weeks before exam.
- h Enrollment during four semesters is required.
- i Total of 29 s.h. from CEE:7999 is required. May take up to 6 s.h. for a letter grade; all other credits must be taken on S/U basis.
- j Technical communication requirement; approved courses include RHET:7500, RHET:7930, RHET:7940. Other courses may be considered and should be submitted to the CEE Director of Graduate Studies for approval.
- k Oral dissertation defense.