



COLLEGE OF  
ENGINEERING, ARCHITECTURE  
AND TECHNOLOGY

# CIVE CIVIL ENGINEERING



## WHAT IS CIVIL ENGINEERING?

Civil Engineering is one of the oldest engineering disciplines with the focus on the built environment that encompasses much of what defines modern civilization: buildings, bridges, roads, etc.

## WHY CIVIL ENGINEERING AT OSU?

The mission of Civil Engineering at OSU is to educate civil and environmental engineers with knowledge and skills for life-long careers, to conduct research and scholarly activities, and to share knowledge through outreach activities. Our graduates practice in local, state, and government agencies, as well as small, medium and large consulting firms both domestic and internationally.

## HIGHLIGHTS

- Exciting, world class research opportunities in the Bert Cooper Engineering Laboratory.
- Winner of the American Society of Civil Engineers Walter F. LeFevre Award for 2018 to recognize actions in promoting licensure, ethics and professionalism.
- CIVE educates civil and environmental engineers with knowledge and skills for life-long careers; conducts research and scholarly activities; and shares knowledge through outreach activities.

## CAREER INDUSTRIES & FOCUS AREAS

### OPTIONS

Environmental

### CAREER OPPORTUNITIES

- Structural Engineer
- Transportation Engineer
- Environmental Engineer
- Geotechnical Engineer
- Water Resources Engineer
- Construction Project Manager
- Project Engineer
- Field Engineer



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# Typical Four-Year Curriculum

## FIRST YEAR

### Fall Semester

ENGR	1412	Engr Programing
CHEM	1414	Chem for Engr
ENGR	1111	Intro to Engr
MATH	2144	Calc I
ENGL	1113	Comp I
POLS	1113	Am Govt

### Spring Semester

ENGR	1322	AutoCad
PHYS	2014	Physics I
MATH	2153	Calc II
HIST	1103	Survey of Am Hist
XXXX	XXXX	Science Elective

## SECOND YEAR

### Fall Semester

ENSC	2113	Statics
PHYS	2114	Physics II
MATH	2163	Calc III
SPCH	2713	Intro to Speech
CIVE	2041	Soph Seminar
XXXX	XXXX	"H"/ "D" / "I" Elective

### Spring Semester

ENSC	2143	Strengths
ENSC	3233	Fluids
CIVE	3813	Envr Engr
CIVE	3614	Surveying
MATH	2233	Diff Eq

## THIRD YEAR

### Fall Semester

CIVE	3714	Geotech Engr
CIVE	3413	Structural Analy
ENSC	2123	Dynamics
STAT	4033	Engr Stat
XXXX	XXXX	"H"/ "D" / "I" Elective

### Spring Semester

CIVE	3833	Hydraulics
CIVE	3623	Materials
CIVE	3523	Concrete
CIVE	3843	Hydrology
CIVE	3633	Transportation

## FOURTH YEAR

### Fall Semester

CIVE	4273	Const Proj Mngmt
CIVE	4833	Unit Ops
CIVE	3513	Steel
CIVE	4041	Engr Practice
ENGL	3323	Tech Writing
XXXX	XXXX	Controlled Elective

### Spring Semester

IEM	3503	Engr Econ
CIVE	4043	Sr Design
XXXX	XXXX	Controlled Elective
XXXX	XXXX	Controlled Elective
XXXX	XXXX	"S"/ "D" / "I" Elective

# TOTAL HOURS: 128

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.



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This course plan is for general guidance only. An official course plan will be provided upon enrollment.

**Contact** | [ceat.recruitment@okstate.edu](mailto:ceat.recruitment@okstate.edu) | (405)-744-5279