

# CIVIL ENGINEERING

NATIONALLY RECOGNIZED FACULTY AND TOP STUDENTS

## What can you do as a Civil Engineer?

As a civil engineer you can design and build highways and bridges, and create more efficient traffic systems. You can study the environment, and discover new ways to manage floods or restore wetland habitats. Civil engineers “unearth” new, cost-effective foundations materials through biomineralization of soils and find ways to make plastic from organic waste.

Civil engineers from the University of Idaho can be found throughout the world working for consulting firms, government agencies, construction contractors, and manufacturing industries continually working on new ways to improve our day-to-day lives.



## Undergraduate Program

The Civil Engineering program at Idaho is rigorous with emphasis on engineering fundamentals and their application to design.

Beginning courses in civil engineering consist of a common core of basic science, math and engineering, required of most students within the College of Engineering.

Junior and senior level courses introduce and add depth in elective areas such as structural engineering, transportation engineering, environmental engineering, pavements and construction materials, geotechnical engineering, water resources and geological engineering.

### College of Engineering

Department of Civil Engineering

208.885.6782 or 88-88-UIDAHO ext. 6782

[civilengr@uidaho.edu](mailto:civilengr@uidaho.edu)



**University of Idaho**  
A LEGACY OF LEADING

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Academic Plan for 2012/13

FRESHMAN - FALL			FRESHMAN - SPRING		
CE 115	Introduction to Civil Engineering	1	MATH 175	Analytic Geometry & Calculus II	4
CHEM 111	Principles of Chemistry I	4	ENGR 105	Engineering Graphics	2
ENGL 102	College Writing and Rhetoric	3	PHYS 211	Engineering Physics	3
MATH 170	Analytic Geometry & Calculus I	4	ELECTIVE	Basic Science Elective	4
ISEM 101*	Integrated Seminar	3	H/SS*		3
		<b>Total Credits</b>	<b>15</b>		
				<b>Total Credits</b>	<b>16</b>
SOPHOMORE - FALL			SOPHOMORE - SPRING		
CE 211	Engineering Surveying	3	ENGR 220	Engineering Dynamics	3
ENGR 210	Engineering Statics	3	ENGR 335	Fluid Mechanics	3
MATH 275	Analytic Geometry & Calculus III	3	ENGR 350	Mechanics of Materials	3
STAT 301	Probability & Statistics	3	MATH 310	Ordinary Differential Equations	3
ELECTIVE	Basic Science Elective	4	CE 215	Civil Engineering Analysis & Design	3
		<b>Total Credits</b>	<b>16</b>	ISEM 301*	Great Issues
					<b>Total Credits</b>
				<b>Total Credits</b>	<b>16</b>
JUNIOR - FALL			JUNIOR - SPRING		
ECON 201, 202, or 272	Economics Elective	3	ENGL 317	Technical Writing	3
CE 322	Hydraulics	3	CE 325	Fundamentals of Hydrologic Engineering	3
CE 330	Fundamentals of Environmental Engineering	4	CE 360	Fundamentals of Geotechnical Engineering	4
CE 342	Theory of Structures	3	CE 372	Fundamentals of Transportation Engineering	4
CE 357	Properties of Construction Materials	4	ELECTIVE	Civil Engineering Technical Elective	3
		<b>Total Credits</b>	<b>17</b>		
				<b>Total Credits</b>	<b>17</b>
SENIOR - FALL			SENIOR - SPRING		
ENGR 240 or 320	Introduction to Circuits or Engineering Thermodynamics	3	CE 491	Senior Seminar	1
ENGR 360	Engineering Economy	2	CE 494	Senior Design Project	3
ELECTIVE	Civil Engineering Technical Elective	3	Phil 103 or AmSt 301	Ethics or American Culture	3
ELECTIVE	Civil Engineering Technical Elective	3	H/SS*		3
ELECTIVE	Civil Engineering Technical Elective	3	ELECTIVE	Civil Engineering Technical Elective	3
ELECTIVE	Civil Engineering Technical Elective	3	ELECTIVE	Civil Engineering Technical Elective	3
		<b>Total Credits</b>	<b>17</b>		
				<b>Total Credits</b>	<b>16</b>

\*One core class must satisfy diversity requirement, one must satisfy international requirement; see reg. J-3.

- A minimum grade of C must be earned in all engineering, mathematics, and science courses used to satisfy the curriculum. See course catalog for complete degree requirements and additional information.