

ENGINEERING OUTREACH

UNIVERSITY OF IDAHO CATALOG | SUMMER 2018

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Professional Online Education



**University
of Idaho**



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GET STARTED!

Visit our Get Started web page at eo.uidaho.edu/get-started for a list of steps to take before classes begin. You will find detailed information about the topics listed below and more.

CALENDAR

See Engineering Outreach (EO) Calendar for important dates and deadlines for registration, graduation, course completion, and holidays at eo.uidaho.edu/calendar.

Most courses begin June 11, 2018.

ADMISSION

EO students must be admitted to the University of Idaho. Visit our website for information about admission options at eo.uidaho.edu/admission.

REGISTRATION

Students register using VandalWeb with their NetIDs and passwords. Students will need the course registration number (CRN) to successfully register. For detailed instructions, visit our website at eo.uidaho.edu/vwreg.

SUMMER 2018 FEES

Students registering for courses delivered by EO pay a per credit fee. Fees include registration and online access and exclude textbooks and software. Payment in full is expected at the time of registration and must be received by the first day of class to avoid late fees. The current fees can be found on our website at eo.uidaho.edu/fees. Fees are subject to change by the Board of Regents of the University of Idaho; refer to our website for current fee information.

COURSE DELIVERY

Course sessions are recorded in Engineering Outreach high-definition (HD) studio classrooms on the University of Idaho campus. If fees are paid in full or a payment plan is established, students can access their course sessions and materials in the EO Portal on the first day of class by using their NetIDs and passwords. For more information, visit our website at eo.uidaho.edu/delivery.

EXAMS AND PROCTORS

Exams are distributed electronically to EO qualified proctors. Proctor selection and approval must be completed by the first day of classes. For more information visit our website at eo.uidaho.edu/exam-process.

COURSE COMPLETION

The EO course completion deadline for Summer 2018 is August 3, 2018 at 3 p.m. Pacific Time. Proctors will be able to access final exams for live courses during finals week. Proctors will have access to all exams for pre-encoded courses at the beginning of the semester. It is critical students coordinate closely with their proctors to ensure final exams reach EO by the deadline.

ENGINEERING OUTREACH

Summer 2018 Courses

EARLY SUMMER TERM:

May 14–August 3 (12 weeks)
Registration Deadline: May 16

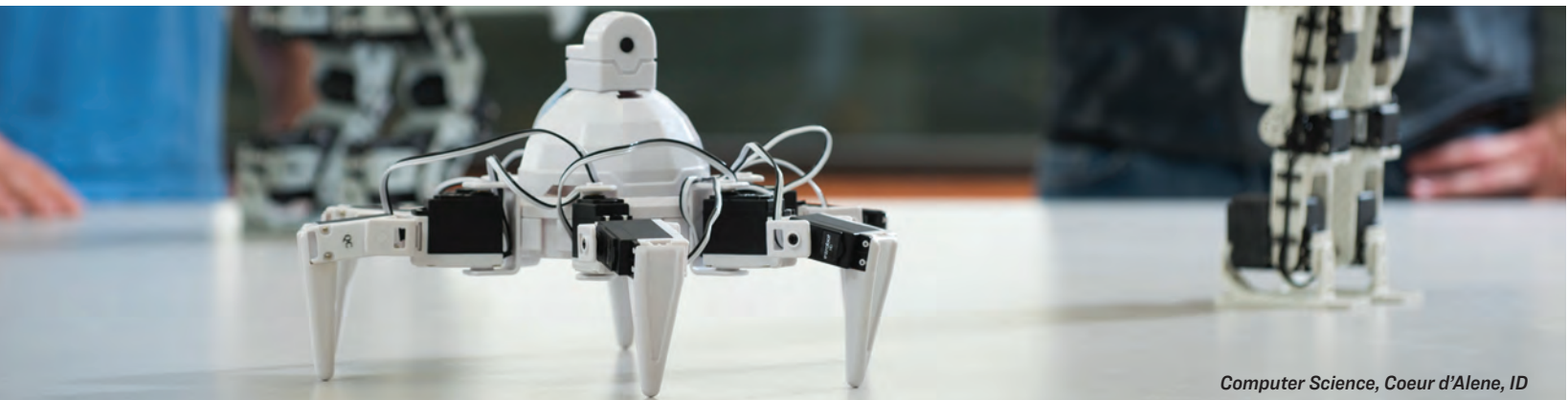
SUMMER TERM:

June 11–August 3 (8 weeks)
Registration Deadline: June 13

Visit eo.uidaho.edu/courses for the most current course information.

CRN	COURSE #	TITLE
ACCOUNTING		
83908	ACCT 582	Enterprise Accounting
BUSINESS		
84282	OM 456	Quality Management
ELECTRICAL AND COMPUTER ENGINEERING		
83064	ECE 210	Electrical Circuits I
83065	ECE 211	Electrical Circuits I Lab*
83066	ECE 212	Electrical Circuits II
83067	ECE 213	Electrical Circuits II Lab*
84441	ECE 240	Digital Logic
80634	ECE 310	Microelectronics I
82769	ECE 311	Microelectronics I Lab*
84439	ECE 349	Background Study in Digital Logic
83172	ECE 350	Signals and Systems I
84440	ECE 410	Microelectronics II
83860	ECE 434	Antenna Principles and Design
84560	ECE 440	Digital Systems Engineering
83613	ECE 445	Introduction to VLSI Design
83861	ECE 460	Semiconductor Devices
84086	ECE 465	Introduction to Microelectronics Fabrication
84087	ECE 565	Introduction to Microelectronics Fabrication
84164	ECE 570	Random Signals
ENGINEERING – GENERAL		
83560	ENGR 428	Numerical Methods
MATHEMATICS		
81768	MATH 123	Mathematics Applied to the Modern World
80134	MATH 160	Survey of Calculus***
73830	MATH 170	Analytic Geometry and Calculus I***
77792	MATH 175	Analytic Geometry and Calculus II***
84454	MATH 176	Discrete Mathematics

CRN	COURSE #	TITLE
MATHEMATICS (CONT.)		
83037	MATH 215	Proof via Number Theory
76785	MATH 275	Analytic Geometry and Calculus III
71161	MATH 310	Ordinary Differential Equations
77794	MATH 330	Linear Algebra
84455	MATH 386	Theory of Numbers
74003	MATH 390	Axiomatic Geometry
81329	MATH 420	Complex Variables
72971	MATH 426	Discrete Optimization
83561	MATH 428	Numerical Methods
82643	MATH 430	Advanced Linear Algebra
71191	MATH 451	Probability Theory
73832	MATH 452	Mathematics Statistics
71183	MATH 461	Abstract Algebra I
71185	MATH 462	Abstract Algebra II
71187	MATH 471	Introduction to Analysis I
84458	MATH 472	Introduction to Analysis II
84165	MATH 480	Partial Differential Equations
84457	MATH 529	Numerical Methods
83558	MTHE 513	Problem Solving Through History
84451	MTHE 516	Groups and Symmetry
MECHANICAL ENGINEERING		
79797	ME 433	Combustion Engine Systems
STATISTICS		
83530	STAT 251	Statistical Methods
71223	STAT 301	Probability and Statistics
84345	STAT 419	Introduction to SAS/R Programming
83888	STAT 422	Sample Survey Methods
82219	STAT 431	Statistical Analysis (Early Summer)
71192	STAT 451	Probability Theory
73833	STAT 452	Mathematical Statistics
81298	STAT 456	Quality Management



Computer Science, Coeur d'Alene, ID

TENTATIVE FALL 2018 COURSE LIST

REGISTRATION DEADLINE: AUGUST 31, 2018

CRN	COURSE #	TITLE
BUSINESS		
40346	OM 456	Quality Management
40345	MKTG 495	Product Development and Brand Management
40344	MHR 513	Leadership and Organizational Behavior

CIVIL ENGINEERING		
39246	CE 404-TD	ST: Timber Design
41097	CE 422	Hydraulic Structures Analysis and Design
31682	CE 432	Design of Water and Wastewater Systems II
39247	CE 504-TD	ST: Timber Design
41098	CE 522	Hydraulic Structures Analysis and Design
41099	CE 526	Aquatic Habitat Modeling
31685	CE 532	Design of Water and Wastewater Systems II
41101	CE 535	Fluvial Geomorphology and River Mechanics
41100	CE 541	Reliability of Engineering Systems
26506	CE 556	Properties of Highway Pavement Materials
16652	CE 561	Engineering Properties of Soils

COMPUTER SCIENCE		
30343	CS 445	Compiler Design
39263	CS 451	Advanced Computer Architecture
39264	CS 472	Evolutionary Computation
41096	CS 510	Programming Language Theory
28041	CS 551	Advanced Computer Architecture
39265	CS 572	Evolutionary Computation

ELECTRICAL AND COMPUTER ENGINEERING		
37476	ECE 210	Electrical Circuits I
37477	ECE 211	Electrical Circuits I Lab*
37478	ECE 212	Electrical Circuits II
37479	ECE 213	Electrical Circuits II Lab*
38769	ECE 240	Digital Logic
38768	ECE 241	Logic Circuit Lab*
31307	ECE 310	Microelectronics I
32624	ECE 330	Electromagnetic Theory
37272	ECE 349	Background Study in Digital Logic
37964	ECE 410	Microelectronics II
41130	ECE 413	Radio-Frequency IC Design
41133	ECE 420	Energy Systems II
32635	ECE 432	Propagation of Wireless Signals
36209	ECE 434	Antenna Principles and Design
26569	ECE 441	Advanced Computer Architecture
33593	ECE 445	Introduction to VLSI Design
31868	ECE 450	Signals and Systems II
41134	ECE 455	Information and Coding Theory
30795	ECE 460	Semiconductor Devices
39314	ECE 465	Introduction to Microelectronics Fabrication
41135	ECE 470	Control Systems
41131	ECE 513	Radio-Frequency IC Design
26022	ECE 525	Power System Protection and Relaying
26025	ECE 528	Understanding Power Quality
40122	ECE 530	Advanced Electromagnetic Theory I
28043	ECE 541	Advanced Computer Architecture
39315	ECE 565	Introduction to Microelectronics Fabrication
35400	ECE 579	Engineering Acoustics

ENGINEERING – GENERAL		
38625	ENGR 428	Numerical Methods

ENGINEERING MANAGEMENT		
41102	EM 570	Global Product Development
40375	EM 580	Technical Project Management

GEOLOGICAL ENGINEERING		
37166	GEOE 517	Tunnel Design and Construction

MATHEMATICS		
31145	MATH 123	Mathematics Applied to the Modern World
31712	MATH 160	Survey of Calculus***
21341	MATH 170	Analytic Geometry and Calculus I***
24794	MATH 175	Analytic Geometry and Calculus II***
41114	MATH 176	Discrete Mathematics
33541	MATH 215	Proof via Number Theory
24796	MATH 275	Analytic Geometry and Calculus III
16710	MATH 310	Ordinary Differential Equations
16712	MATH 330	Linear Algebra
41115	MATH 386	Theory of Numbers
36430	MATH 388	History of Mathematics
21343	MATH 390	Axiomatic Geometry
18178	MATH 426	Discrete Optimization
38560	MATH 428	Numerical Methods
36206	MATH 430	Advanced Linear Algebra
16730	MATH 451	Probability Theory
21347	MATH 452	Mathematical Statistics
16734	MATH 461	Abstract Algebra I
24800	MATH 462	Abstract Algebra II
16738	MATH 471	Introduction to Analysis I
19798	MATH 472	Introduction to Analysis II
40103	MATH 480	Partial Differential Equations
41116	MATH 521	Topology I
40746	MATH 529	Numerical Methods
41117	MATH 557	Ring Theory
38561	MTHE 513	Problem Solving Through History
41113	MTHE 516	Groups and Symmetry

MECHANICAL ENGINEERING		
41108	ME 413	Engineering Acoustics
41109	ME 436	Sustainable Energy Sources and Systems
41110	ME 461	Fatigue and Fracture Mechanics
36245	ME 472	Mechanical Vibrations
41111	ME 481	Control Systems
35393	ME 513	Engineering Acoustics
24776	ME 541	Mechanical Engineering Analysis

MATERIALS SCIENCE AND ENGINEERING		
41119	MSE 437	Radiation Effects on Materials
41118	MSE 537	Radiation Effects on Materials

NUCLEAR ENGINEERING		
41106	NE 437	Radiation Effects on Materials
41107	NE 537	Radiation Effects on Materials

STATISTICS		
16778	STAT 251	Statistical Methods
16780	STAT 301	Probability and Statistics
40467	STAT 419	Introduction to SAS/R Programming
39288	STAT 422	Sample Survey Methods
36204	STAT 431	Statistical Analysis
16732	STAT 451	Probability Theory
21325	STAT 452	Mathematical Statistics
28130	STAT 456	Quality Management
31745	STAT 507	Experimental Design
36205	STAT 565	Computer Intensive Statistics



University of Idaho

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Contact Us

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Email: eo-support@uidaho.edu

EO Portal for Course Materials and Exams

eo.uidaho.edu/portal

Visit Our Website

eo.uidaho.edu

View a Sample Session

eo.uidaho.edu/demo

Quality Programs... Online Delivery!

- Engineering Outreach (EO) offers complete graduate degrees, academic certificates, and coursework that may be transferred for credit in engineering and related fields.
- EO is an established distance education program with over 40 years of experience delivering courses to off-campus students.
- The University of Idaho is regionally accredited by the Northwest Commission on Colleges and Universities (NWCCU) and is a member of the Association of Public Land Grant Universities (APLU).
- More than 95 percent of EO students complete their courses.
- EO is approved by the U.S. Department of Veterans Affairs (VA) for U.S. military students.
- U of I's engineering graduate programs are supported by undergraduate degree programs that are accredited by the Engineering Accreditation Commission of ABET: <http://www.abet.org>.
- Course sessions are encoded in high definition (HD) and are accessible online through a secure portal within two hours of being recorded on campus.
- More than 70 continually updated courses are delivered each fall and spring semester (fewer during the summer).
- EO offers personalized academic support services with a responsive staff committed to meeting the educational needs of our students.



ENGINEERING OUTREACH

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ENGINEERING OUTREACH

Achieve Your Professional Education Goals . . . Online!

Master's Degree Programs

- **Electrical Engineering**
- info@ece.uidaho.edu
- **Mechanical Engineering**
- medept@uidaho.edu
- **Civil Engineering**
- cee@uidaho.edu
- **Computer Science**
- csinfo@uidaho.edu
- **Computer Engineering**
- info@ece.uidaho.edu
- **Engineering Management**
- denisee@uidaho.edu
- **Technology Management**
- alicew@uidaho.edu
- **Geological Engineering**
- cee@uidaho.edu
- **Statistical Science**
- stat@uidaho.edu
- **Teaching Mathematics**
- math@uidaho.edu

Non-Degree Coursework

- Professional Development
- STEM Coursework
- Transfer Credits

Focus Areas

- Business/Accounting
- Materials Science and Engineering
- Nuclear Engineering

Academic Certificates

- Analog Integrated Circuit Design
- Power System Protection and Relaying
- Process and Performance Excellence
- Secure and Dependable Computing Systems
- Statistics

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