ENGINEERING OUTREACH

UNIVERSITY OF IDAHO CATALOG | SUMMER 2020

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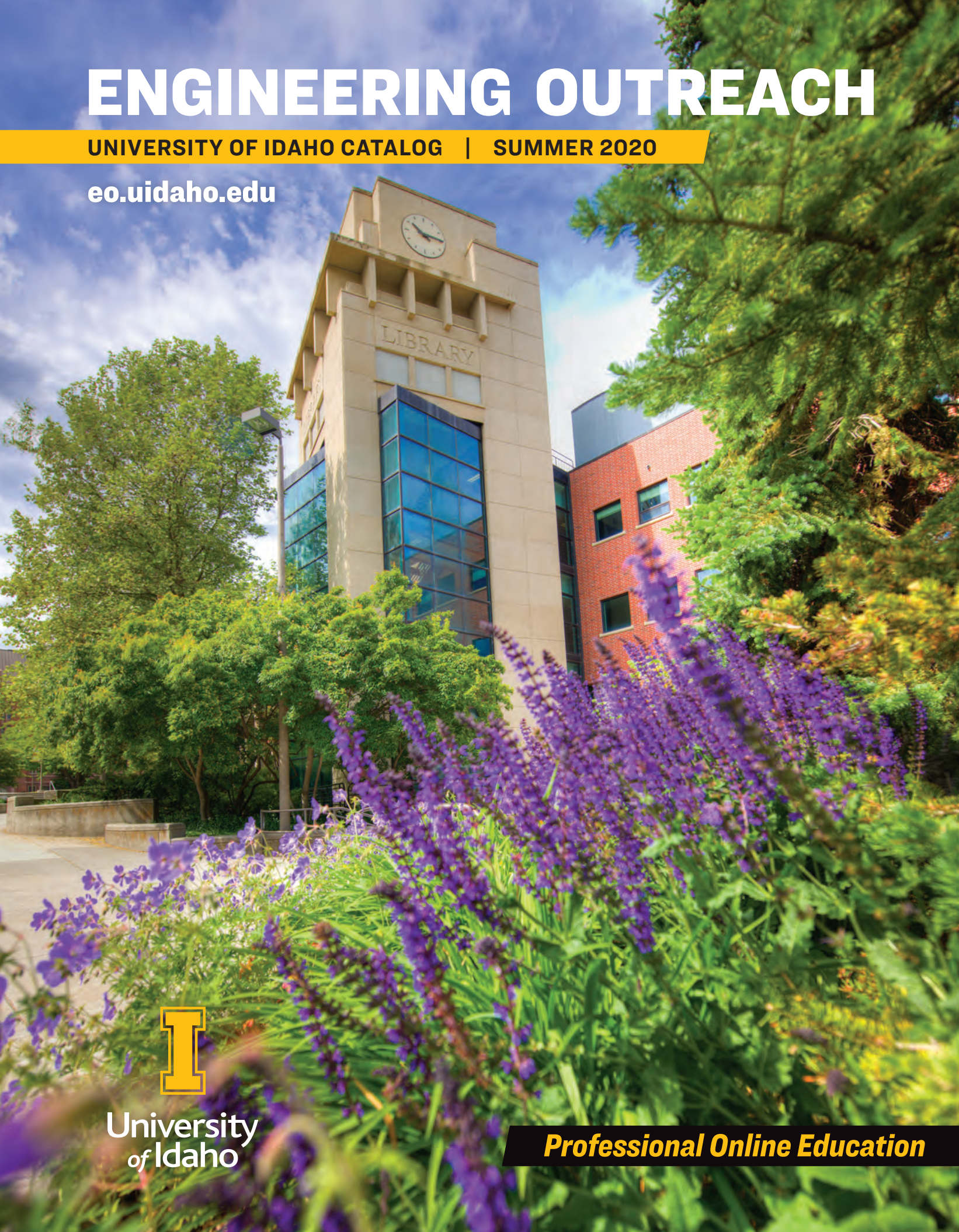
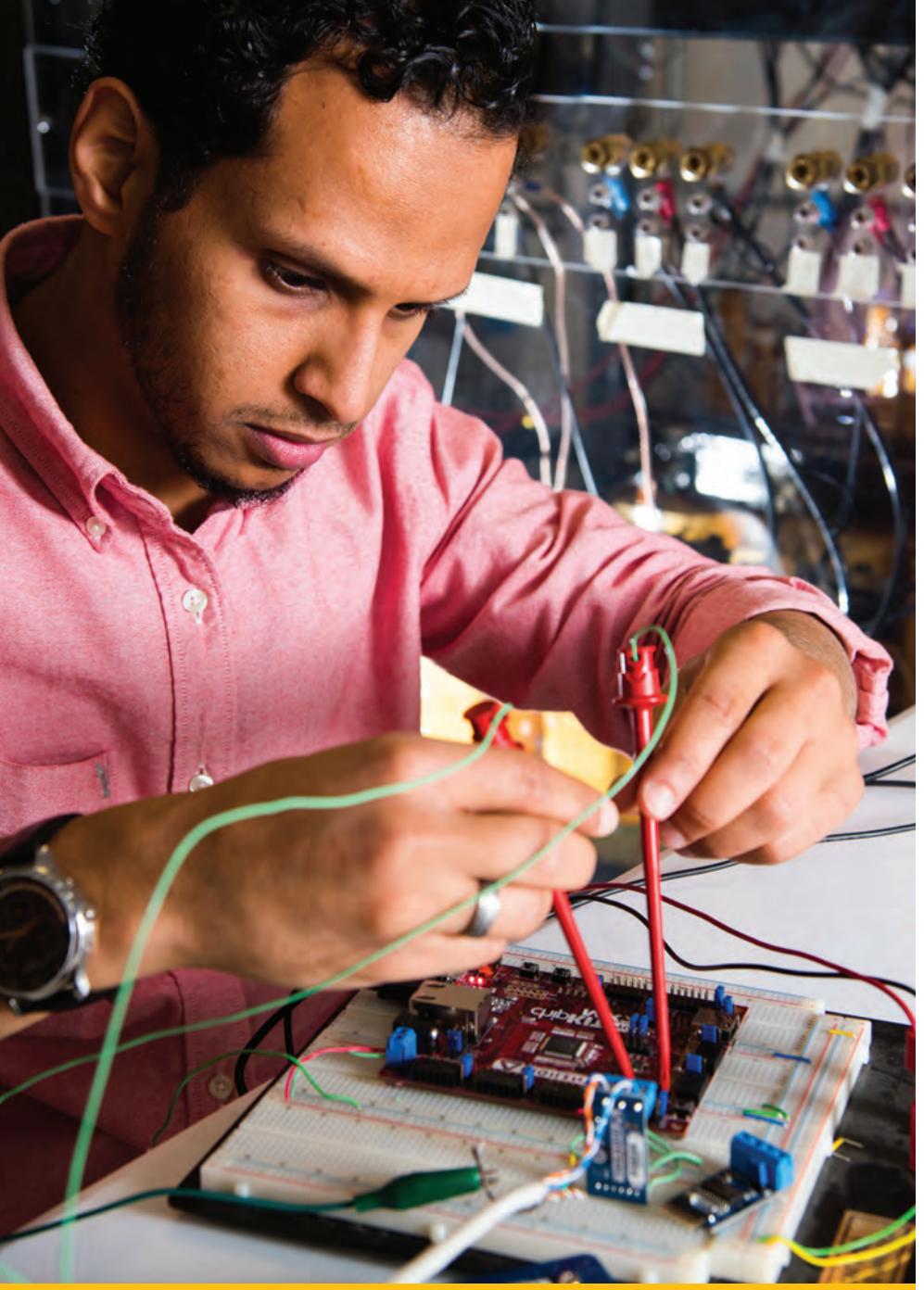


University of Idaho

Professional Online Education



VISIT OUR WEBSITE!
eo.uidaho.edu

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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 the 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 15, 2020.

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/registration**.

SUMMER 2020 FEES
Students registering for courses delivered by EO pay a per credit fee. Fees include registration and online access but exclude textbooks and software. Payment in full is expected at the time of registration and must be received by the 3rd 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 approved proctors. Proctor selection and approval must be completed by the first day of classes. For more information and for our preapproved proctor maps, visit our website at **eo.uidaho.edu/exam-process.**

COURSE COMPLETION
The EO course completion deadline for Summer 2020 is August 7, 2020 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.

SUMMER 2020 COURSES

SUMMER TERMS:
May 18 – June 26 (6 weeks)
Registration Deadline: May 20
May 18 – August 7 (12 weeks)
Registration Deadline: May 20
June 15 – August 7 (8 weeks)
Registration Deadline: June 17

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

CRN	COURSE #	TITLE
BUSINESS		
84282	OM 456	Quality Management
COMPUTER SCIENCE		
85183	CS 470	Artificial Intelligence
85184	CS 570	Artificial Intelligence
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*
80634	ECE 310	Microelectronics I
82769	ECE 311	Microelectronics I Lab*
83862	ECE 523	Symmetrical Components
83068	ECE 526	Protection of Power Systems II
ENGINEERING — GENERAL		
85185	ENGR 210	Engineering Statics
85186	ENGR 240	Introduction to Electrical Circuits
85187	ENGR 360	Engineering Economy
83560	ENGR 428	Numerical Methods
MATHEMATICS		
81768	MATH 123	Math in Modern Society
80134	MATH 160	Survey of Calculus***
73830	MATH 170	Calculus I***
77792	MATH 175	Calculus II***
84454	MATH 176	Discrete Mathematics
83037	MATH 215	Proof via Number Theory
76785	MATH 275	Calculus III
71161	MATH 310	Ordinary Differential Equations
77794	MATH 330	Linear Algebra
84895	MATH 390	Axiomatic Geometry

CRN	COURSE #	TITLE
84895	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	Mathematical 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		
84073	ME 322	Mech Engineering Thermodynamics
79797	ME 433	Combustion Engine Systems
84901	ME 450	Fund.of Computational Fluid Dynamics
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
71192	STAT 451	Probability Theory
73833	STAT 452	Mathematical Statistics
81298	STAT 456	Quality Management
TECHNOLOGY MANAGEMENT		
85188	TM 552	Industrial Ergonomics

Courses are 3 credits unless indicated *1 Credit Course **2 Credit Course ***4 Credit Course

TENATIVE FALL COURSE LIST

Registration Deadline: September 4, 2020

CRN	COURSE #	TITLE
BUSINESS		
40344	MHR 513	Leadership & Organizational Behavior
41954	OM 456	Quality Management
CIVIL & ENVIRONMENTAL ENGINEERING		
42801	CE 428	Open Channel Hydraulics
TBD	CE 432	Design of Water & Wastewater Systs II
42804	CE 504-RA	ST: Rigid & Airport Pavement Design
39247	CE 504-TD	ST: Timber Design
41099	CE 526	Aquatic Habitat Modeling
42802	CE 532	Design of Water & Wastewater Systs II
41101	CE 535	Fluvial Geomorphology & River Mech
41100	CE 541	Reliability of Engineering Systems
COMPUTER SCIENCE		
42796	CS 404-MV	ST: Machine Vision
42950	CS 404-PE	ST: Prog Embedded Processors
42792	CS 411	Parallel Programming
42791	CS 420	Data Communication Systems
30343	CS 445	Compiler Design
39264	CS 472	Evolutionary Computation
42978	CS 474	Deep Learning
42794	CS 504-MV	ST: Machine Vision
42119	CS 504-PE	ST: Prog Embedded Processors
42793	CS 511	Parallel Programming
42790	CS 520	Data Communication Systems
39265	CS 572	Evolutionary Computation
42973	CS 574	Deep Learning
ELECTRICAL & COMPUTER ENGINEERING		
32624	ECE 330	Electromagnetic Theory
37272	ECE 349	Background Study in Digital Logic
41968	ECE 404-SR	ST: Sustainable & Renewable Energy
41949	ECE 415	Analog Circuit Design
41133	ECE 420	Energy Systems II
33591	ECE 421	Introduction to Power Systems
42009	ECE 432	Propagation of Wireless Signals
31868	ECE 450	Signals & Systems II
42008	ECE 452	Communication Systems
41134	ECE 455	Information & Coding Theory
41135	ECE 470	Control Systems
41956	ECE 515	Analog Circuit Design
42822	ECE 520	Advanced Electrical Machinery
42798	ECE 525	Power Systems Protection & Relaying
42799	ECE 528	Understanding Power Quality
41906	ECE 572	Linear System Theory
ENGINEERING MANAGEMENT		
41102	EM 570	Global Product Development
40375	EM 580	Technical Project Management
ENGINEERING — GENERAL		
42800	ENGR 335	Engineering Fluid Mechanics
41960	ENGR 428	Numerical Methods
GEOLOGICAL ENGINEERING		
37955	GEOE 465	Excavation & Materials Handling
MATERIALS SCIENCE & ENGINEERING		
41967	MSE 415	Materials Selection & Design
42823	MSE 434	Fundamentals of Polymeric Materials
41119	MSE 437	Radiation Effects on Materials
41911	MSE 507	Microstructures & Defects
TBD	MSE 525	Electronic Materials
41118	MSE 537	Radiation Effects on Materials
MATHEMATICS		
31145	MATH 123	Math in Modern Society
31712	MATH 160	Survey of Calculus***
21341	MATH 170	Calculus I***
24794	MATH 175	Calculus II***
41114	MATH 176	Discrete Mathematics
33541	MATH 215	Proof via Number Theory
24796	MATH 275	Calculus III
16710	MATH 310	Ordinary Differential Equations
16712	MATH 330	Linear Algebra
41115	MATH 386	Theory of Numbers
21343	MATH 390	Axiomatic Geometry
41256	MATH 420	Complex Variables
18178	MATH 426	Discrete Optimization
41952	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
41908	MATH 528	Differentiable Methods
41961	MATH 529	Numerical Methods
41117	MATH 557	Ring Theory
42179	MATH 559	Algebraic Number Theory
38561	MTHE 513	Problem Solving Through History
41113	MTHE 516	Groups & Symmetry
MECHANICAL ENGINEERING		
41909	ME 415	Materials Selection & Design
41953	ME 438	Sustainability & Green Design
41910	ME 450	Fund of Computational Fluid Dynamics
41111	ME 481	Control Systems
41962	ME 538	Sustainability & Green Design
24776	ME 541	Mechanical Engineering Analysis
NUCLEAR ENGINEERING		
41106	NE 437	Radiation Effects on Materials
42957	NE 528	Management of Nuclear Facilities
41107	NE 537	Radiation Effects on Materials
STATISTICS		
16778	STAT 251	Statistical Methods
16780	STAT 301	Probability & Statistics
41919	STAT 407	Experimental Design
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
41955	STAT 456	Quality Management
31745	STAT 507	Experimental Design
36205	STAT 565	Computer Intensive Statistics

University of Idaho

Engineering Outreach
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Contact Us

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Fax: ..... (208) 885-6165
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.

University of Idaho

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College of Engineering
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Moscow, ID 83844-1014

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Master's Degree Programs

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- Civil Engineering
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- Computer Science
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- Computer Engineering
  - ece-info@uidaho.edu
- Engineering Management
  - engr-em@uidaho.edu
- Technology Management
  - engr-tm@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

- Power System Protection and Relaying
- Process and Performance Excellence
- Secure and Dependable Computing Systems
- Statistics
- Nuclear Technology Management (Future Offering)