



Engineering Outreach
 College of Engineering
 Janssen Engineering Building
 Rooms 31 and 37
 875 Perimeter Drive MS 1014
 Moscow, ID 83844-1014

Contact Us

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EO Portal for Course Materials

eo.uidaho.edu/portal

Visit Our Website

uidaho.edu/eo

View a Sample Session

eo.uidaho.edu/demo

“Every single course I completed was full of great material. The assignments and projects challenged you, but were extremely rewarding. There were many course options to choose from which also speaks to flexibility the EO provides. The professors for each course were very knowledgeable, flexible, encouraging, and quick to respond. After beginning each course, it was evident that the EO provides very reputable instructors, for each course, that are passionate about sharing their knowledge with you. That adds to the caliber of the courses that are offered in the EO.”



-CODY LISH
 M.S. - TECHNOLOGY MANAGEMENT



**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.



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ENGINEERING OUTREACH

UNIVERSITY OF IDAHO CATALOG | SPRING 2022

uidaho.edu/eo

ENGINEERING OUTREACH

Achieve Your Professional Education Goals . . . Online!

eo.uidaho.edu

Master's Degree Programs

- **Electrical Engineering**
ece-info@uidaho.edu
- **Mechanical Engineering**
medept@uidaho.edu
- **Civil Engineering**
cee@uidaho.edu
- **Computer Science**
csinfo@uidaho.edu
- **Computer Engineering**
ece-info@uidaho.edu
- **Engineering Management**
enr-em@uidaho.edu
- **Technology Management**
enr-tm@uidaho.edu
- **Geological Engineering**
cee@uidaho.edu
- **Statistical Science**
mathstat@uidaho.edu
- **Teaching Mathematics**
mathstat@uidaho.edu

Non-Degree Coursework

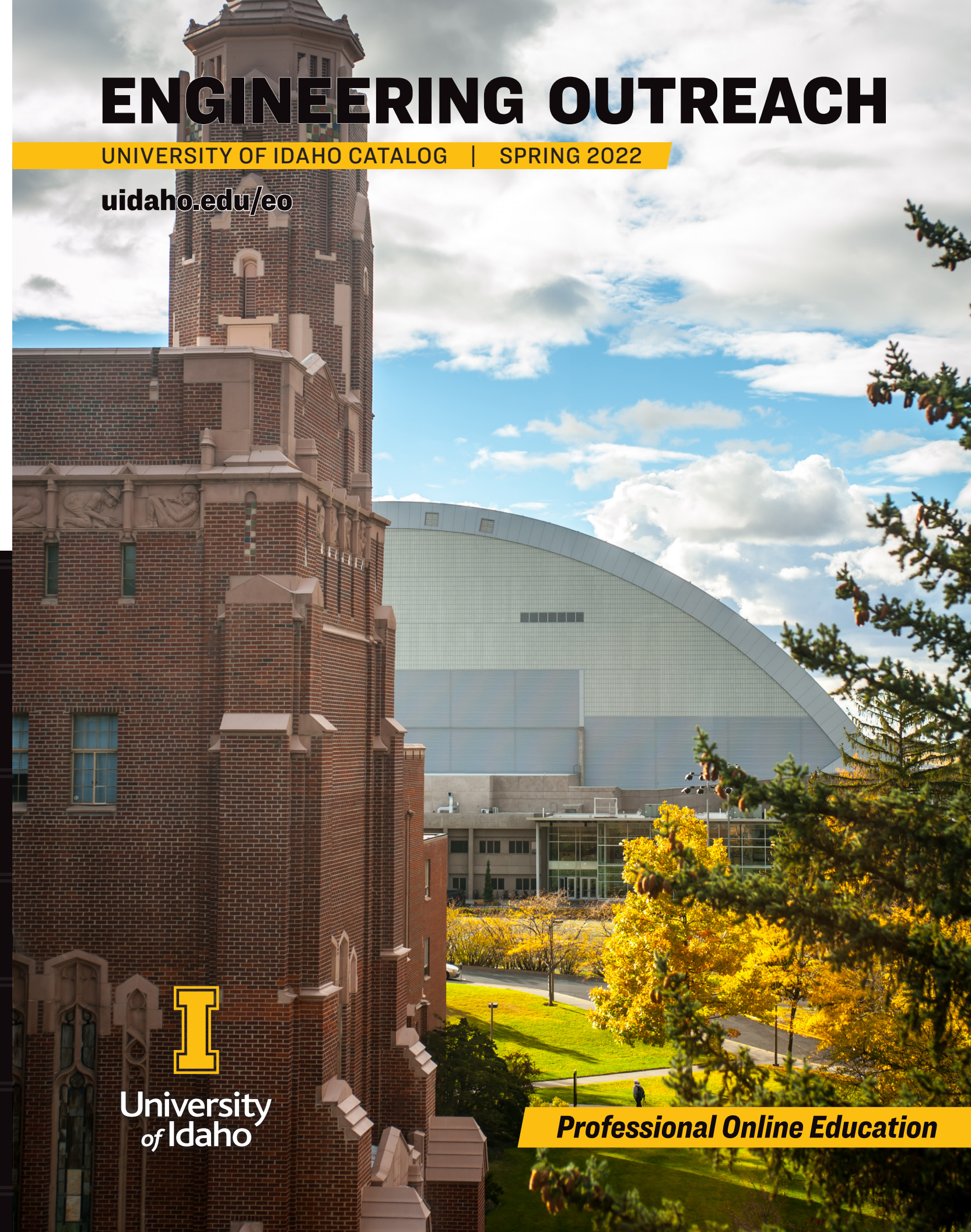
- Professional Development
- STEM Coursework
- Transfer Credits

Focus Areas

- Business/Accounting
- Nuclear Engineering

Academic Certificates

- Power System Protection and Relaying
- Secure and Dependable Computing Systems
- Statistics



Professional Online Education



Engineering Expo 2021



Visit Our Website!
uidaho.edu/eo

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

Courses begin January 12, 2022.

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.

SPRING 2022 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 10th day of class. 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. 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 Spring 2022 is May 13, 2022 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

Spring 2022 Courses

SPRING TERM:

January 12—May 13 (16 weeks)

Registration Deadline: January 26

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

CRN COURSE # TITLE

BIOLOGICAL ENGINEERING

74668 BE 504 Sustainable food-energy-water systems

BUSINESS

46361 ACCT 582 Enterprise Accounting
 72373 OM 456 Quality Management

CIVIL AND ENVIRONMENTAL ENGINEERING

74520 CE 422 Hydraulic Structures Analysis Design
 62208 CE 431 Design Water & Wastewater Systems I
 72801 CE 441 Reinforced Concrete Design
 74101 CE 475 Pavement Design and Evaluation
 69847 CE 484 Engineering Law and Contracts
 71017 CE 511 Design Water & Wastewater Systems I
 73484 CE 521 Sedimentation Engineering
 75278 CE 522 Hydraulic Structures Analysis Design
 76060 CE 543 Dynamics of Structures
 76061 CE 571 Traffic Flow Theory

COMPUTER SCIENCE

74250 CS 444 Supervisory Control and Critical Infrastructure Systems
 Real-Time Operating Systems
 74176 CS 452 Real-Time Operating Systems
 76143 CS 507 Computer Science Research Methods
 74249 CS 544 Supervisory Control and Critical Infrastructure Systems
 74182 CS 552 Real-Time Operating Systems

CYBERSECURITY

76147 CYB 507 Computer Science Research Methods

ELECTRICAL AND COMPUTER ENGINEERING

76062 ECE 404 ST: Machine Learning for EM
 60237 ECE 410 Microelectronics II
 74430 ECE 415 Analog Integrated Circuit Design
 56928 ECE 420 Energy Systems II
 62748 ECE 422 Power Systems Analysis
 56542 ECE 427 Power Electronics
 69220 ECE 444 Supervisory Control and Critical Infrastructure Systems

CRN COURSE # TITLE

69897 ECE 445 Introduction to VLSI Design
 74111 ECE 465 Intro to Microelectronics Fabrication
 75246 ECE 476 Digital Filtering
 68424 ECE 504 ST: Machine Learning for EM
 70689 ECE 504 ST: Cybersecurity for Power Systems
 75496 ECE 504 ST: Industrial Controls
 74431 ECE 515 Analog Integrated Circuit Design
 62236 ECE 524 Transients in Power Systems
 76057 ECE 531 Advanced Electromagnetic Theory II
 69221 ECE 544 Supervisory Control and Critical Infrastructure Systems
 74122 ECE 565 Intro to Microelectronics Fabrication

ENGINEERING MANAGEMENT

61703 EM 510 Engr Management Fundamentals
 71395 EM 582 Adv. Topics in Project Management

ENGINEERING - GENERAL

68136 ENGR 428 Numerical Methods

GEOLOGICAL ENGINEERING

69111 GEOE 407 Rock Mechanics

INDUSTRIAL TECHNOLOGY

75350 INDT 419 Industrial Sustainability Analysis

MATHEMATICS

65255 MATH 123 Math in Modern Society
 61583 MATH 160 Survey of Calculus***
 51928 MATH 170 Calculus I***
 53279 MATH 175 Calculus II***
 55190 MATH 275 Calculus III
 46380 MATH 310 Ordinary Differential Equations
 44402 MATH 330 Linear Algebra
 49771 MATH 390 Axiomatic Geometry
 46381 MATH 420 Complex Variables
 48089 MATH 426 Discrete Optimization
 68139 MATH 428 Numerical Methods
 68090 MATH 430 Advanced Linear Algebra
 76075 MATH 432 Numerical Linear Algebra



CRN COURSE # TITLE

46502 MATH 451 Probability Theory
 50177 MATH 452 Mathematical Statistics
 50243 MATH 461 Abstract Algebra I
 46389 MATH 462 Abstract Algebra II
 50087 MATH 471 Introduction to Analysis I
 46391 MATH 472 Introduction to Analysis II
 71734 MATH 480 Partial Differential Equations
 73460 MATH 521 Topology I
 73462 MATH 528 Differentiable Manifolds
 72387 MATH 529 Numerical Methods
 74217 MTHE 516 Groups and Symmetry

MATERIALS SCIENCE AND ENGINEERING

74119 MSE 437 Radiation Effects on Materials
 70644 MSE 537 Radiation Effects on Materials

MECHANICAL ENGINEERING

76070 ME 420 Fluid Dynamics
 69141 ME 414 HVAC Systems
 76072 ME 435 Thermal Energy Systems Design
 75257 ME 495 Mechanics in Design & Manufacturing
 60317 ME 514 HVAC Systems
 76071 ME 520 Fluid Dynamics
 75257 ME 495 Mechanics in Design & Manufacturing
 74241 ME 504 Sustainable food-energy-water systems
 46371 ME 540 Continuum Mechanics

NUCLEAR ENGINEERING

74120 NE 437 Radiation Effects on Materials
 74121 NE 537 Radiation Effects on Materials

PHYSICS

76073 PHYS 428 Numerical Methods
 76074 PHYS 528 Numerical Methods

STATISTICS

46400 STAT 251 Statistical Methods
 48689 STAT 301 Probability and Statistics
 72345 STAT 419 Intro to SAS/R Programming
 63063 STAT 422 Sample Survey Methods
 68091 STAT 431 Statistical Analysis
 48093 STAT 451 Probability Theory
 50422 STAT 452 Mathematical Statistics
 63065 STAT 456 Quality Management
 66305 STAT 550 Regression
 69826 STAT 555 Statistical Ecology

TECHNOLOGY MANAGEMENT

75351 TM 519 Industrial Sustainability Analysis

WILDLIFE RESOURCES

72372 WLF 555 Statistical Ecology

2022

JANUARY							FEBRUARY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1							1
2	3	4	5	6	7	8	6	7	8	9	10	11	12
9	10	11	12	13	14	15	13	14	15	16	17	18	19
16	17	18	19	20	21	22	20	21	22	23	24	25	26
23	24	25	26	27	28	29	27	28					
30	31												

MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5							1
6	7	8	9	10	11	12	3	4	5	6	7	8	9
13	14	15	16	17	18	19	10	11	12	13	14	15	16
20	21	22	23	24	25	26	17	18	19	20	21	22	23
27	28	29	30	31			25	26	27	28	29	30	

MAY							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7							1
8	9	10	11	12	13	14	5	6	7	8	9	10	11
15	16	17	18	19	20	21	12	13	14	15	16	17	18
22	23	24	25	26	27	28	19	20	21	22	23	24	25
29	30	31					26	27	28	29	30		

JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1							1
3	4	5	6	7	8	9	7	8	9	10	11	12	13
10	11	12	13	14	15	16	14	15	16	17	18	19	20
17	18	19	20	21	22	23	21	22	23	24	25	26	27
25	26	27	28	29	30	31	28	29	30	31			

SEPTEMBER							OCTOBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1							1
4	5	6	7	8	9	10	2	3	4	5	6	7	8
11	12	13	14	15	16	17	9	10	11	12	13	14	15
18	19	20	21	22	23	24	16	17	18	19	20	21	22
25	26	27	28	29	30	31	23	24	25	26	27	28	29
							30	31					

NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1							1
6	7	8	9	10	11	12	4	5	6	7	8	9	10
13	14	15	16	17	18	19	11	12	13	14	15	16	17
20	21	22	23	24	25	26	18	19	20	21	22	23	24
27	28	29	30				25	26	27	28	29	30	31

■ = University holiday ■ = Closed to the public



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