

UNDERGRADUATE RESEARCH ACADEMIC CERTIFICATE

The 12-credit certificate may be completed by students across any undergraduate program across the university. To be eligible, students must take at least six credits from each of two categories and submit evidence of research dissemination.

Core research courses focus on developing competency with respect to research skills and methods, requiring application through development of hypotheses, literature review, data collection, analysis, and research ethics. Students relate fundamental research skills in real-world scenarios. Applied research courses focus on application of discipline-specific research skills and methods. There, students apply appropriate research methods to their discipline through collection and analysis of data. Students report on data findings using relevant analytical methods and tools.

All required coursework must be completed with a grade of C or better (O-10-a (<https://catalog.uidaho.edu/general-requirements-academic-procedures/o-miscellaneous/>)).

Code	Title	Hours
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Core Research

Select at least 6 credits from the following:		6
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BE 2420	Biological Engineering Analysis and Design	
BIOL 1020	Biology and Society	
BIOL 2500	General Microbiology	
BIOL 3100	Genetics	
CHEM 2530	Quantitative Analysis	
CHEM 2770	Organic Chemistry I	
ECON 3950	Regional Economic Analysis	
ESHS 4550	Design & Analysis of Research in Movement Sciences	
HIST 2900	The Historian's Craft	
PHIL 2010	Critical Thinking	
PHIL 2020	Introduction to Symbolic Logic	
PHYS 2110	Engineering Physics I	
POLS 2350	Political Research Methods and Approaches	
POLS 3360	Political Research Methods and Approaches II	
POLS 3850	Political Psychology	
POLS 4370	American Presidency	
POLS 4900	Senior Experience	
SOC 3090	Social Science Research Methods	
STAT 2510	Statistical Methods	

Applied Research

Select at least 6 credits from the following:		6
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AGED 4110	Research Methods in Agricultural Education, Leadership, & Communications	
ANTH 4160	Qualitative Social Science Methods	
BE 4220	Tissue Biomechanics	
BE 4230	Tissue Engineering and Regenerative Medicine	
BE 4990	Directed Study	
BIOL 3010	Undergraduate Research	
BIOL 4010	Undergraduate Research	

CHEM 4910	Research
CYB 3100	Cybersecurity Technical Foundations
CYB 4200	Digital Forensics
EDCI 3280	Elementary Social Studies Education
EDCI 3290	Elementary Science Education
EDCI 4080	Integrated Elementary Methods Practicum I
ENGL 3100	Critical Theory
ENGL 3170	Technical Writing II
ENGL 3200	Grant Proposal Writing
ESHS 4950	Practicum
ESHS 4980	Internship in Exercise Science & Health
FN 4911	Community Nutrition
HIST 4950	History Senior Seminar
HIST 4980	Internship
MKTG 4210	Marketing Research & Analysis
PLSC 4020	Undergraduate Research in Plant Science
POLS 4860	Authoritarian Regimes
SOC 4160	Qualitative Social Science Methods
SOC 4170	Social Data Analysis
THE 4520	Theatre Historiography
THE 4530	Topics in World Theatre History

Total Hours	12
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Courses to total 12 credits for this certificate.

1. Students will apply fundamental research methodologies, including literature review, data collection, analysis and interpretation.
2. Students will contextualize and communicate how their research adds to the existing literature in the field.
3. Students will demonstrate principles of ethical conduct in research.
4. Students will critically evaluate scholarly literature, databases, and primary sources.