EDUCATION STUDIES

A degree in Education Studies, administered by the School of Education, prepares undergraduate students for professions within the field of education, but outside of K-12 classroom teaching. This non-licensure degree seeks to equip educators across the education landscape with the ability to design, implement, and assess educational programming that advances teaching and learning for all.

As part of this proposed degree program, students would take classes that meet ISU general education and college-level requirements along with SOE foundational education courses for the first two years to provide a grounding in education theory and practice. In the final two years, students in this new degree program would then pursue a parallel track that would include coursework focused on one of three emphasis areas (Teaching, Learning & Leadership, Innovation, Technology, & Society, or STEM) before participating in a semester-long internship related to their career goals.

The following emphasis areas in this degree are intended to be multidisciplinary and flexible in nature to reflect current trends and issues in education in order to prepare students for a broad and ever-changing education landscape.

- **Teaching, Learning, and Leadership** – this emphasis area is for students who are interested in teaching and learning across a range of educational settings, contexts, and learners. Students in this emphasis area can pursue a variety of careers related to education including international education, informal or community-based education such as museum or library educators, support for K-12 classrooms, or educational programming, policy, or consulting.
- **Innovation, Technology, and Society** - this emphasis area is for students who are interested in the intersection of innovation, design, educational technology, and the impact on society. This concentration would build upon expertise of education technology faculty within the SOE and with collaborations across campus to explore current technology-based innovations and learning technologies in educational settings, such as game-based learning, computer science, artificial intelligence, and human computer interaction for educators. Students in this emphasis area could pursue careers in instructional design, technology-based learning, educational or technology firms, online learning, educational consulting, or educational entrepreneurship.
- **Science, Technology, Engineering, and Mathematics (STEM) -** this emphasis area is for students who are interested in learning and teaching as it relates to Science, Technology, Engineering and Mathematics (STEM) contexts and environments. This concentration seeks to equip educators across STEM fields with the ability to design, implement, and assess research-based educational programs that advance the goals of STEM education for all involved. Students in this emphasis area could pursue careers in museums, science or nature centers, out of school STEM programs and camps, curriculum development and testing, educational programming for STEM-related industries, such as business or healthcare.

Student Learning Outcomes

Students pursuing the education studies degree program would engage with the following objectives to build a well-rounded foundation that would allow them to make meaningful contributions to the field of education.

1. Study various educational systems, including their structures, policies, and practices.
2. Build foundational knowledge and understanding of educational theory, research, and practice to better understand how people learn and how to facilitate effective learning experiences.
3. Learn to design and implement engaging and effective educational materials and programming including innovative technology-based learning.
4. Participate in a program of study that aligns with career aspirations and interests that that includes a semester-long internship experience.

Degree requirements

To receive a Bachelor of Science degree in education studies, a student must complete a minimum of 120 credits.

- International Perspective: 3 credits
- U.S. Cultures and Communities: 3 credits

Communication/Library: 10 credits

ENGL 1500	Critical Thinking and Communication	3
ENGL 2500	Written, Oral, Visual, and Electronic Composition	3
LIB 1600	Introduction to College Level Research	1
Approved Communications Course		3
Total Credits		**10**

Humanities and Social Sciences: 15 credits

PSYCH 2300	Developmental Psychology	3
Approved Social Science Courses (2 Courses)		6
Approved Humanities Courses (2 Courses)		6
Total Credits		**15**

Mathematics and Sciences: 15 credits

Approved Mathematics Courses (2 Courses)	6
Approved Science Courses (3 Courses)	9
Total Credits	**15**

Education Studies Core: 29 credits

Choose from one of the following:		3
EDUC 2010	Educational Technologies in the PK-6 Classroom	
EDUC 2020	Educational Technologies in the 7-12 Classroom	
Choose from one of the following:		3
EDUC 2040	Social Foundations of Education in the United States: Secondary	
EDUC 2050	Social Foundations of Education in the United States: Early Childhood and Elementary Education	
Choose from one of the following:		3
SPED 2500	Education of the Exceptional Learner	
SPED 4010	Teaching Secondary Students with Exceptionalities in General Education	
SPED 2100X	Disability in a Diverse Society	
EDUC 3320	Educational Psychology of Early Childhood and Elementary Education	3
Choose from one of the following:		3
EDUC 2450	Landscape of Teaching	
EDUC 4260	Principles of Secondary Education	
EDUC 3550X	Teaching Multilingual Learners	3
EDUC 3690X	Dilemmas in Education	3
Choose from one of the following:		3
EDUC 4050	Teaching and Learning in a Pluralistic Society: Early Childhood and Elementary	
EDUC 4060	Teaching and Learning in a Pluralistic Society: Secondary	
Choose from one of the following:		3
EDUC 3950	Teaching Disciplinary Literacy	
EDUC 4590	Critical Approaches to Teaching Children's and Adolescent Literature	
Approved Learning Community Course		1
Approved Initial Field Experience Course		1
Total Credits		**29**

Emphasis Area Electives: 36 credits

- Teaching, Learning, and Leadership
- Technology, Design, and Innovation
- Science, Technology, Engineering, and Mathematics (STEM)

Internship: 15 credits

Four Year Plan

Freshman

Fall	Credits	Spring	Credits
Freshman Learning Community	1	Level 1 Field Experience (EDUC 2800)	1
ENGL 1500	3	Education of the Exceptional Learner (SPED 2100/2500/4010)	3
LIB 1600	1	Humanities Option	3
Social Foundations of Education (EDUC 2040/2050)	3	Math Option	3
Social Science	3	Science Option	3
Science Option	3	Social Science Option	3
	14		**16**

Sophomore

Fall	Credits	Spring	Credits
Intro to Educational Technologies (EDUC 2010/2020)	3	Landscapes of Teaching (EDUC 2450/4260)	3
ENGL 2500	3	Educational Psychology (EDUC 3320/3330)	3
Math Option	3	CHS Communications Option	3
Science Option	3	Humanities Option	3
Social Science Option	3	Emphasis Area Elective	3
	15		**15**

Junior

Fall	Credits	Spring	Credits
EDUC 3690X	3	Introduction to Social Justice (EDUC 4050/4060)	3
Emphasis Area Elective	3	Emphasis Area Elective	3
Emphasis Area Elective	3	Emphasis Area Elective	3
Emphasis Area Elective	3	Emphasis Area Elective	3
Emphasis Area Elective	3	Emphasis Area Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
Literature and Learning (EDUC 3950/4590)	3	Semester Long Internship	15
EDUC 3550X	3		
Emphasis Area Elective	3		

Emphasis Area Elective	3	
Emphasis Area Elective	3	
	15	**15**

Total Credits: 120

** In year 3, students have completed ISU & CHS gen ed requirements and SOE core courses

They would choose one of three Education Studies emphasis areas:

1. Teaching, Learning, and Leadership
2. Technology, Design, and Innovation
3. Science, Technology, Engineering, and Mathematics (STEM)

See table for emphasis area elective options.

Emphasis Area Options: Teaching, Learning, and Leadership

EDUC 3020	Principles and Practices of Learning with Technology	3
EDUC 3700	Toying with Technology	3
EDUC 3770	Foundations of Literacy	4
EDUC 3780	Methods for Teaching Literacy in the Elementary Classroom	4
EDUC 4070	Online Education in Pre-K-12 Classrooms: Hybrid, Virtual, and Blended Approaches	3
EDUC 4200	Bilingualism & The Education of Latinx Youth	3
EDUC 4220	Teaching and Learning Iowa History	3
EDUC 4430	The Teaching of Social Studies	3
EDUC 4480	Teaching Children Mathematics	3
EDUC 4490	The Teaching of Science	3
EDUC 4520	Assessment for Literacy and Learning	3
EDUC 4540	Emerging Topics in Educational Technologies	1
EDUC 4560	Integrating Technology into Literacy	3
EDUC 4880	Supervised Tutoring in Reading	3
EDUC 4750	International Travel Study in Education	1-6
AESHM 2110	Leadership Experiences and Development (LEAD)	3
COMST 2100	Communication and U.S. Diversity	3
COMST 2110	Interpersonal Communication	3
COMST 2140	Professional Communication	3
COMST 2180	Communication and Conflict Management	3
HDFS 1020	Human Development	3
HDFS 2230	Child Development and Health	3
HDFS 2260	Development and Guidance in Middle Childhood	3
HDFS 2270	Middle Childhood and Adolescence	3
HDFS 2490	Family Studies	3
HDFS 2760	Human Sexuality	3
HDFS 2490	Family Studies	3
PSYCH 2300	Developmental Psychology	3
PSYCH 3130	Learning and Memory	3
PSYCH 3350	Child and Adolescent Psychopathology	3
PSYCH 3500	Human Factors in Technology	3
PR 2200	Principles of Public Relations	3
POLS 2350	Introduction to Ethics and Politics	3
POLS 3330	Democracy in America	3
POLS 4800	Ethics and Public Policy	3
POLS 3350	Science, Technology, and Public Policy	3
LDST 1220	Leading with Purpose	1
LDST 3220	Leadership in a Diverse Society	3
LDST 3330	Women, Gender, and Leadership	3
LLS 1120	Foundations of Learning and Productive Team Membership	2
LLS 1140	Developing Responsible Learners and Effective Leaders	2
LLS 2120	Habits of Mind and Decision-Making in Leadership	2
SOC 4640	Strategies for Community Engagement	3

Emphasis Area Options: Technology, Design, and Innovation

EDUC 3020	Principles and Practices of Learning with Technology	3
EDUC 3700	Toying with Technology	3
EDUC 4070	Online Education in Pre-K-12 Classrooms: Hybrid, Virtual, and Blended Approaches	3
EDUC 4540	Emerging Topics in Educational Technologies	1
EDUC 4560	Integrating Technology into Literacy	3
COMS 1030	Computer Literacy and Applications	4
COMS 1040	Brief Introduction to Computer Programming for Non-Majors	2
COMS 1050A	Short Course in Computer Programming: Perl	2
COMS 1050B	Short Course in Computer Programming: MATLAB	2
COMS 1060	Introduction to Web Programming	3
COMS 1070	Windows Application Programming	3
COMS 2070	Fundamentals of Computer Programming	3
COMS 4720	Principles of Artificial Intelligence	3
COMST 3300	Communication in a Digital World	3
CPRE 2300	Cyber Security Fundamentals	3
DES 1500	Introduction to Innovation and Design	3

DES 2300	Design Thinking	3
DS 2010	Introduction to Data Science	3
DSNS 2320	Digital Design Communications	3
ECON 3830X	Economics of Innovation	3
ENGL 2220	Artificial Intelligence and Writing	3
ENTSP 3100	Entrepreneurship and Innovation	3
JLMC 4740	Communication Technology and Social Change	3
PHIL 3430	Philosophy of Technology	3
PSYCH 3500	Human Factors in Technology	3
PSYCH 3860	Media Psychology	3
POLS 3350	Science, Technology, and Public Policy	3

Emphasis Area Options: Science, Technology, Engineering and Mathematics (STEM)

EDUC 3020	Principles and Practices of Learning with Technology	3
EDUC 3700	Toying with Technology	3
EDUC 4070	Online Education in Pre-K-12 Classrooms: Hybrid, Virtual, and Blended Approaches	3
EDUC 4430	The Teaching of Social Studies	3
EDUC 4480	Teaching Children Mathematics	3
EDUC 4490	The Teaching of Science	3
EDUC 4540	Emerging Topics in Educational Technologies	1
EDUC 4560	Integrating Technology into Literacy	3
AECL/BIOL/ENSCI 3120: Ecology		3
BIOL/ENVS/ENSCI 2010: Introduction to Environmental Issues		3
ENGL 2220	Artificial Intelligence and Writing	3
ENGL 3120	Communicating Science and Public Engagement	3
IALL 3100	Science Teaching Methods	1-3
IALL 3140	Nature Based, Early Childhood Teaching Methods Using 'The Project Approach'	3-4
JLMC 2600	Media Controversies in Science and Technology	3
JLMC 3470	Science Communication	3
NREM 3800	Field Ecology Research and Teaching	3
PHIL 3430	Philosophy of Technology	3
PSYCH 3500	Human Factors in Technology	3
POLS 3350	Science, Technology, and Public Policy	3

Additional emphasis area electives may be included towards the requirement following consultation with their academic advisor.