

# CURRICULUM AND INSTRUCTION (ISC)

## Program Information

The School of Teaching & Learning's graduate programs in Curriculum & Instruction cultivate proficient scholars, teachers, and other educational professionals through an academically rigorous curriculum that balances theoretical and applied knowledge.

The Ph.D. prepares graduate students to assume roles as faculty and other leaders in higher education. It is carefully designed to balance coursework, research projects, and teaching experiences for students to acquire the knowledge, dispositions, skills and abilities to become highly effective faculty and leaders in higher education. Program area faculty adhere to a comprehensive framework reflecting broad and multi-faceted conceptions of scholarship: Application, Discovery, Integration and Teaching. Students engage in research, teaching, professional service, and professional practice projects that further their familiarity with these domains. An array of subject area specializations (<https://education.ufl.edu/school-teaching-learning/admissions/doctoral-degrees-phd-edd/>) for all Ph.D. students in Curriculum & Instruction fosters their intellectual and professional growth in greater depth. These include: Educational Technology (<http://education.ufl.edu/educational-technology/on-campus-ph-d/>); English Education (<http://education.ufl.edu/english-education/degrees/>); ESOL/Bilingual Education (<https://education.ufl.edu/esol/degrees/#doctorate>); Reading and Literacy Education (<https://education.ufl.edu/reading-education/doctorate/>); Mathematics Education (<https://education.ufl.edu/math-education/doctorate/>); Science Education (<https://education.ufl.edu/science-education/doctor-of-philosophy/>); Social Studies Education (<https://education.ufl.edu/social-studies-education/degrees/doctorate/>); and Teachers, Schools, and Society (<https://education.ufl.edu/curriculum-teaching/>) (TSS) (<https://education.ufl.edu/curriculum-teaching/>). All doctoral students are required to complete successfully a minimum of 90 credits. Coursework includes research methodology and methods, educational curriculum and foundations, independent research, specialization seminars, and at least 12 credit hours of dissertation work. To earn their doctoral degree, all students must complete their coursework satisfactorily, pass written and oral qualifying examinations, and successfully complete and defend a dissertation.

The Master of Arts in Education (M.A.E.) in Curriculum & Instruction is designed to provide exposure to research and increase the practical knowledge of those interested in various aspects of Curriculum & Instruction. Specialization areas include: Educational Technology (<http://education.ufl.edu/educational-technology/>); ESOL/Bilingual Education (<https://education.ufl.edu/esol/>); Reading and Literacy Education (<https://education.ufl.edu/reading-education/>); Literacy & the Arts (<https://education.ufl.edu/english-education/>); Media Literacy Education (<http://education.ufl.edu/english-education/specializations/media-literacy/>); and Teachers, Schools, and Society (<https://education.ufl.edu/curriculum-teaching/>) (TSS) (<https://education.ufl.edu/curriculum-teaching/>). A thesis or final project in lieu of a thesis is required of all students. The LARC specialization is available both on-campus and online.

The Master of Education (M.Ed.) in Curriculum & Instruction is a professional degree designed to meet the needs of practicing and aspiring professionals to serve various functions in established and emerging educational activities. Specialization areas include: Educational

Technology (<http://education.ufl.edu/educational-technology/>); ESOL/Bilingual Education (<https://education.ufl.edu/esol/>); and Teacher Leadership for School Improvement (TLSI) (<https://education.ufl.edu/tlsi/>). The Educational Technology and TLSI specializations are both available online.

The Specialist in Education (Ed.S.) in Curriculum & Instruction is a degree designed to meet the needs of practicing and aspiring professionals, who already hold a master's degree in an appropriate field, to serve various functions in established and emerging educational activities. Specialization areas include: Educational Technology (<http://education.ufl.edu/educational-technology/>); ESOL/Bilingual Education (<https://education.ufl.edu/esol/degrees/>); Reading and Literacy Education (<https://education.ufl.edu/reading-education/>); Literacy & the Arts (<https://education.ufl.edu/english-education/degrees/>); Media Literacy Education (<http://education.ufl.edu/english-education/specializations/media-literacy/>); and Teacher Leadership for School Improvement (TLSI) (<https://education.ufl.edu/tlsi/>). The Educational Technology and TLSI specializations are both available online.

For more information, please see our website: <http://education.ufl.edu/school-teaching-learning> (<http://education.ufl.edu/school-teaching-learning/>).

## Degrees Offered

### Degrees Offered with a Major in Curriculum and Instruction

- Doctor of Philosophy
  - without a concentration
  - concentration in Educational Technology
  - concentration in Languages and Literacies in Education
    - additional concentration Critical Study of Race, Ethnicity and Culture In Education
  - concentration in Critical Study of Race, Ethnicity and Culture In Education
  - concentration in Science Education
  - concentration in Teachers, Schools, & Society
- Master of Arts in Education
  - without a concentration
  - concentration in Educational Technology
  - concentration in Media and Digital Literacy Education
  - Teaching English as an Additional Language (K-12)
- Master of Education
  - without a concentration
  - concentration in Educational Technology
  - concentration in Teaching English as an Additional Language (K-12)
  - concentration in Teacher Leadership for School Improvement
- Specialist in Education
  - without a concentration
  - concentration in Educational Technology
  - concentration in Teacher Leadership for School Improvement

Requirements for these degrees are given in the Graduate Degrees (<http://gradcatalog.ufl.edu/graduate/degrees/>) section of this catalog.

## Courses

## School of Teaching and Learning Departmental Courses

Code	Title	Credits
EDE 5940	Integrated Teaching and Learning	3
EDE 6266	Teaching and Learning in Elementary Classrooms	3
EDE 6325	Teacher Inquiry/Action Research	3
EDE 6905	Individual Work	1-5
EDE 6948	Internship in Elementary Schools	3-12
EDE 7047	Issues in Teacher Education	3
EDF 5552	Role of School in Democratic Society	3
EDF 6520	History of Education	3
EDF 6544	Philosophical Foundations of Education	3
EDF 6616	Education and American Culture	3
EDF 6636	Theorizing Race and Racism in Educational Research	3
EDF 6639	Anti-Black Racism in Education	3
EDF 6812	Comparative Education	3
EDF 6866	Education in Latin America	3
EDF 6939	Critical Race Theory in Educational Research	3
EDF 7934	Seminar in Educational Foundations	3
EDG 5666	Knowing and Learning in Secondary Schools	3
EDG 6017	Writing for Academic Purposes	3
EDG 6047	Teacher Leadership for Educational Change	3
EDG 6207	Transforming the Curriculum	3
EDG 6226	Foundations of Research in Curriculum & Instruction	3
EDG 6228	Qualitative Research for Practitioner Scholars	3
EDG 6229	Qualitative Research in Curriculum and Instruction	3
EDG 6305	Multiple Perspectives on Teaching and Learning	3
EDG 6348	Instructional Coaching for Enhanced Student Learning	3
EDG 6356	Teaching, Learning and Assessment	3
EDG 6378	Learning Science with Technology	3
EDG 6415	Culturally Responsive Classroom Management	3
EDG 6445	Meeting the Educational Needs of Students Living in Poverty	3
EDG 6648	Research Design in Curriculum and Instruction	3
EDG 6664	Survey of Research on STEM Education	3
EDG 6668	Teaching Adults	3
EDG 6805C	K-12 Computer Programming Foundations I	3
EDG 6806C	K-12 Computer Programming Foundations II	3
EDG 6807	Issues and Trends in K-12 Computer Science Education	3
EDG 6905	Individual Work	1-6
EDG 6910	Supervised Research	1-5
EDG 6930	Schooling & the Marginalization of Students	3
EDG 6931	Special Topics	1-4
EDG 6940	Supervised Teaching	1-5
EDG 6953	TLSI Online Portfolio Preparation	1-3
EDG 6971	Research for Master's Thesis	1-15
EDG 6973	Project in Lieu of Thesis	1-9
EDG 7224	Critical Pedagogy	3
EDG 7252	Perspectives in Curriculum, Teaching, and Teacher Education	3
EDG 7303	Teacher Learning and Socialization in High Poverty Schools	3
EDG 7359	Professional Development and Teacher Learning	3
EDG 7365	Practitioner Research: Data Collection and Analysis	3
EDG 7941	Field Experience in Curriculum and Instruction	1-4
EDG 7979	Advanced Research	1-12
EDG 7980	Research for Doctoral Dissertation	1-15
EDG 7982	Practitioner Research: Theory & Practice	3
EME 5054	Foundations of Educational Technology	3
EME 5207	Designing Technology-Rich Curricula	3
EME 5404	Instructional Computing II	3
EME 5405	Internet in K-12 Instruction	3
EME 6059	Blended Learning Environments	3
EME 6065	Human-Computer Interaction and the Learner	3
EME 6066	Issues and Trends in Educational Technology Research	3
EME 6067	Emerging Learning Technologies	3
EME 6074	Mobile Technologies in Education	3
EME 6156	Games and Simulations for Teaching and Learning	3
EME 6208	Designing Integrated Media Environments I	3
EME 6209	Designing Integrated Media Environments II	3
EME 6235	Managing Educational Projects	3
EME 6236	Distance Education Leadership and Management	3
EME 6458	Distance Teaching and Learning	3
EME 6480	Quantitative Methods in Educational Technology Research	3
EME 6606	Advanced Instructional Design	3
EME 6609	Instructional Design	3
EME 6637	Managing and Analyzing Multimodal Educational Data	3
EME 6638	Theory, Design, and Development of Stealth Assessment for Learning	3
EME 6645	Neurotechnologies in Education	3
EME 6651	Learning Analytics Concepts and Techniques	3
EME 6935	Seminar: Distance Education Issues and Applications	1
EME 6945	Practicum in Educational Media and Instructional Design	3-8
EME 7345	Implementing Educational Technology Innovations (ETIs)	3
EME 7938	Seminar in Educational Media and Instructional Design	3
ESE 5426	Data-Driven Decision Making for Secondary Teachers	3
ESE 6345	Effective Teaching and Classroom Management	3
ESE 6905	Individual Work	1-4
ESE 6939	Special Topics	3
ESE 6945	Student Teaching in Secondary School	2-9
ETE 6141	K-12 Computer Sc Pedagogy I	3
ETE 6142	K-12 Computer Sc Pedagogy II	3
FLE 6165	Bilingual-Bicultural Education	3
FLE 6167	Cross-Cultural Communication for Teachers	3
LAE 5341	Language Arts: Teaching Nonfiction Writing	3
LAE 6298	Literacy & Language Instruction	3
LAE 6339	Curriculum, Methods, and Assessment in Secondary English Language Arts	3

LAE 6348	Teaching Multiliteracies	3	TSL 5335	ESOL and Reading for Secondary Teachers	3
LAE 6407	Early Childhood Children's Literature	3	TSL 6145	Curriculum and Materials Development for ESOL K-12	3
LAE 6446	Multicultural Literature for Children and Adolescents	3	TSL 6245	Language Principles for ESOL Teachers	3
LAE 6865	Teaching Media Literacy with the Internet	3	TSL 6373	Methods of Teaching ESOL K-12	3
LAE 6869	Teaching Digital Storytelling	3	TSL 6440	Testing and Evaluation of ESOL	3
LAE 6939	Literacy, Family, and Culture	3	TSL 6670	Multilingualism from a Global Perspective	3
LAE 6945	Practicum and Assessment for Teachers of Secondary School English	3	TSL 6700	Issues in ESOL for School Counselors and Psychologists	3
LAE 6946	Children's Literature in Educational Settings	3			
LAE 7934	Seminar in Composition Theory and Practice	3			
LAE 7936	Seminar in English Language Arts	3			
LAE 7938	Lit, Cult and Politics	3			
MAE 5332	Secondary School Mathematics Methods and Assessment	3			
MAE 5347	Teaching K-8 Mathematics for Understanding	3			
MAE 5396	Using Formative Assessment to Improve Mathematical Learning	3			
MAE 5945	Secondary School Mathematics Practicum	3-6			
MAE 6313	Problem Solving in School Mathematics	3			
MAE 6349	Classroom Contexts that Support Self-Regulated Learning and Mathematical Understanding	3			
MAE 6916	Inquiry in Mathematics Teaching	3			
MAE 7899	Mathematics Education Seminar	3			
MUE 7938	Music Education Seminar	3			
RED 5337	Reading in the Secondary School	3			
RED 5355	Reading Instruction in the Elementary School	3			
RED 5399	Practices in Beginning Reading Instruction	3			
RED 6346	Seminar in Reading	3-6			
RED 6448	Diagnosing and Remediating Reading Difficulties	3			
RED 6520	Classroom Literacy Assessment and Instruction	3			
RED 6546C	Diagnosis of Reading Difficulties	3			
RED 6548C	Remediation of Reading Difficulties	3			
RED 6647	Trends in Reading	3			
RED 6843	Reading Practicum	1			
RED 6941	Practicum in Diagnosis and Remediation of Reading Difficulties	3			
RED 7019	Foundations of Literacy	3			
SCE 5140	Science Curriculum Development	3			
SCE 5316	Inquiry-Based Science Teaching	3			
SCE 5695	Diversity and Equity in Science Teaching	3			
SCE 5765	Data-Driven Science Instruction	3			
SCE 6117	Science Education in the Elementary School	3			
SCE 6337	Secondary Science Methods and Assessment	3			
SCE 6930	Seminar in Science Education	3			
SCE 6947	Practicum in Secondary Science Teaching and Assessment	3			
SMT 6066	Data Wrangling and Visualization in Educational Research	3			
SMT 6106	Informal STEM Practice	3			
SSE 5945C	Practicum in Secondary Social Studies Teaching and Assessment	3			
SSE 6117	Social Studies Education--Elementary School	3			
SSE 6133	Secondary School Social Studies Methods and Assessment	3			
SSE 6478	Global Studies Methods for Social Studies	3			
TSL 5142	ESOL Curriculum, Methods, and Assessment	3			

## General Courses

Code	Title	Credits
EDG 6047	Teacher Leadership for Educational Change	3
EDG 6207	Transforming the Curriculum	3
EDG 6226	Foundations of Research in Curriculum & Instruction	3
EDG 6356	Teaching, Learning and Assessment	3
EDG 6905	Individual Work	1-6
EDG 6910	Supervised Research	1-5
EDG 6931	Special Topics	1-4
EDG 6940	Supervised Teaching	1-5
EDG 6971	Research for Master's Thesis	1-15
EDG 6973	Project in Lieu of Thesis	1-9
EDG 7224	Critical Pedagogy	3
EDG 7252	Perspectives in Curriculum, Teaching, and Teacher Education	3
EDG 7303	Teacher Learning and Socialization in High Poverty Schools	3
EDG 7941	Field Experience in Curriculum and Instruction	1-4
EDG 7979	Advanced Research	1-12
EDG 7980	Research for Doctoral Dissertation	1-15
EME 6156	Games and Simulations for Teaching and Learning	3
EME 6235	Managing Educational Projects	3
EME 6236	Distance Education Leadership and Management	3

## Curriculum, Teaching, and Teacher Education Courses

Code	Title	Credits
EDE 5940	Integrated Teaching and Learning	3
EDE 6266	Teaching and Learning in Elementary Classrooms	3
EDE 6325	Teacher Inquiry/Action Research	3
EDE 6905	Individual Work	1-5
EDE 6948	Internship in Elementary Schools	3-12
EDE 7047	Issues in Teacher Education	3
EDG 6356	Teaching, Learning and Assessment	3
EDG 7224	Critical Pedagogy	3
EDG 7252	Perspectives in Curriculum, Teaching, and Teacher Education	3
EDG 7303	Teacher Learning and Socialization in High Poverty Schools	3
EDG 7982	Practitioner Research: Theory & Practice	3

## Educational Technology Courses

Code	Title	Credits
EME 5054	Foundations of Educational Technology	3
EME 5207	Designing Technology-Rich Curricula	3
EME 5403		3
EME 5404	Instructional Computing II	3

EME 5405	Internet in K-12 Instruction	3
EME 5432		3
EME 6066	Issues and Trends in Educational Technology Research	3
EME 6208	Designing Integrated Media Environments I	3
EME 6209	Designing Integrated Media Environments II	3
EME 6458	Distance Teaching and Learning	3
EME 6606	Advanced Instructional Design	3
EME 6609	Instructional Design	3
EME 6935	Seminar: Distance Education Issues and Applications	1
EME 6945	Practicum in Educational Media and Instructional Design	3-8
EME 7938	Seminar in Educational Media and Instructional Design	3

### ESOL/Bilingual Education Courses

Code	Title	Credits
FLE 6165	Bilingual-Bicultural Education	3
FLE 6167	Cross-Cultural Communication for Teachers	3
TSL 5142	ESOL Curriculum, Methods, and Assessment	3
TSL 5325		3
TSL 6145	Curriculum and Materials Development for ESOL K-12	3
TSL 6245	Language Principles for ESOL Teachers	3
TSL 6373	Methods of Teaching ESOL K-12	3
TSL 6440	Testing and Evaluation of ESOL	3
TSL 6700	Issues in ESOL for School Counselors and Psychologists	3

### Language and Literacy Education Courses

Code	Title	Credits
LAE 6298	Literacy & Language Instruction	3
LAE 6339	Curriculum, Methods, and Assessment in Secondary English Language Arts	3
LAE 6348	Teaching Multiliteracies	3
LAE 6365		3
LAE 6366		3
LAE 6407	Early Childhood Children's Literature	3
LAE 6446	Multicultural Literature for Children and Adolescents	3
LAE 6616		3
LAE 6861		3
LAE 6865	Teaching Media Literacy with the Internet	3
LAE 6869	Teaching Digital Storytelling	3
LAE 6939	Literacy, Family, and Culture	3
LAE 6945	Practicum and Assessment for Teachers of Secondary School English	3
LAE 6946	Children's Literature in Educational Settings	3
LAE 7006		3
LAE 7519		3
LAE 7934	Seminar in Composition Theory and Practice	3
LAE 7936	Seminar in English Language Arts	3

### Mathematics Education Courses

Code	Title	Credits
MAE 5327		3
MAE 5332	Secondary School Mathematics Methods and Assessment	3
MAE 5395		3

MAE 5396	Using Formative Assessment to Improve Mathematical Learning	3
MAE 5347	Teaching K-8 Mathematics for Understanding	3
MAE 5945	Secondary School Mathematics Practicum	3-6
MAE 6313	Problem Solving in School Mathematics	3
MAE 7899	Mathematics Education Seminar	3

### Reading Education Courses

Code	Title	Credits
RED 5337	Reading in the Secondary School	3
RED 5355	Reading Instruction in the Elementary School	3
RED 5399	Practices in Beginning Reading Instruction	3
RED 6346	Seminar in Reading	3-6
RED 6520	Classroom Literacy Assessment and Instruction	3
RED 6546C	Diagnosis of Reading Difficulties	3
RED 6548C	Remediation of Reading Difficulties	3
RED 6647	Trends in Reading	3
RED 6941	Practicum in Diagnosis and Remediation of Reading Difficulties	3
RED 7019	Foundations of Literacy	3

### Science Education Courses

Code	Title	Credits
SCE 5140	Science Curriculum Development	3
SCE 5316	Inquiry-Based Science Teaching	3
SCE 5695	Diversity and Equity in Science Teaching	3
SCE 5765	Data-Driven Science Instruction	3
SCE 6117	Science Education in the Elementary School	3
SCE 6337	Secondary Science Methods and Assessment	3
SCE 6947	Practicum in Secondary Science Teaching and Assessment	3

### Secondary Education Courses

Code	Title	Credits
ESE 6344		3
ESE 6345	Effective Teaching and Classroom Management	3
ESE 6905	Individual Work	1-4
ESE 6939	Special Topics	3
ESE 6945	Student Teaching in Secondary School	3-9

### Social Foundations of Education Courses

Code	Title	Credits
EDF 5552	Role of School in Democratic Society	3
EDF 6520	History of Education	3
EDF 6544	Philosophical Foundations of Education	3
EDF 6616	Education and American Culture	3
EDF 6812	Comparative Education	3
EDF 7934	Seminar in Educational Foundations	3

### Social Studies Education Courses

Code	Title	Credits
SSE 5945C	Practicum in Secondary Social Studies Teaching and Assessment	3
SSE 6046		3
SSE 6117	Social Studies Education--Elementary School	3

SSE 6133	Secondary School Social Studies Methods and Assessment	3
SSE 6478	Global Studies Methods for Social Studies	3

### Teacher Leadership for School Improvement Courses

Code	Title	Credits
EDE 6325	Teacher Inquiry/Action Research	3
EDG 6047	Teacher Leadership for Educational Change	3
EDG 6207	Transforming the Curriculum	3
EDG 6415	Culturally Responsive Classroom Management	3
EDG 6953	TLSI Online Portfolio Preparation	1-3

### Student Learning Outcomes

## curriculum and instruction (edd)

### SLO 1 Knowledge

The student will explain and evaluate their conceptual and practical competence and critical stances in theory, pedagogy, and research.

### SLO 2 Skills

The student will present results of research about resolving context-based problems of practice in written and oral format.

### SLO 3 Professional Behavior

The student will disseminate and/or demonstrate professional knowledge in formal and informal settings about best curricular and pedagogical practices.

## curriculum and instruction (eds)

### SLO 1 Knowledge

The student will explain and evaluate their breadth of knowledge of content, methods, and contexts of schooling and education.

### SLO 2 Skills

The student will utilize expertise developed in an area of specialization to pursue an original and significant inquiry or research question.

### SLO 3 Professional Behavior

The student will demonstrate their implementation of an inquiry stance to improving teaching and on-going professional learning that can be shared with other professionals.

## curriculum and instruction (PHD)

### SLO 1 Knowledge

The student will master scholarly breadth of research about teaching and learning and neighboring academic fields.

### SLO 2 Knowledge

The student will apply expertise of an original and significant question and issue in education.

### SLO 3 Skills

The student will apply clarity of written and oral expression in the qualifying examination and the dissertation.

### SLO 4 Professional Behavior

The student will address professional audiences through membership in professional organizations, research presentations, and/or scholarly publications.