Curriculum and Instruction (C&I) Courses

C&I 5003. Theory of Curriculum and Instruction. (3-0) 3 Credit Hours.
An examination of theoretical structures underlying curriculum considerations and the implications of these for the work of responsible curriculum decision-makers at all levels, including administrators, instructional supervisors, and classroom teachers.

C&I 5013. Curriculum, Instruction and Assessment. (3-0) 3 Credit Hours.
Prerequisite: C&I 5003. Examination of different pedagogical approaches to the teaching and learning process in schools, with emphasis on the development of curriculum for classroom instruction, evaluation, organization, and management.

C&I 5043. Classroom Management and Motivation. (3-0) 3 Credit Hours.
A detailed investigation of various theories and models of classroom management and motivation. Topics include behavior modification, assertive discipline, control theory, and the concept of the democratic classroom. (Credit cannot be earned for both C&I 5043 and EDP 5043).

C&I 5523. Metacognitive Learning Principles. (3-0) 3 Credit Hours.
Metacognition as a foundational learning construct is considered first as it is presented in the literature and then as a lived experience of reflective practice. Core questions include: What are ways of knowing? How does one know what and how one knows? What are appropriate metacognitive strategies across curricular contexts? Each participant will explore motivation with three foci: theory, practical application toward the self and practical application toward others. (Same as ECE 6753. Credit cannot be earned for both C&I 6523 and C&I 5523).

C&I 5703. Secondary School Curricula. (3-0) 3 Credit Hours.

C&I 5933. Service-Learning. (3-0) 3 Credit Hours.
History, rationale, research, methodology, and outcomes of service-learning. Students will conceptualize, plan, and participate in a service-learning project. Emphasis is on how service can be incorporated into curriculum with a primary focus on learning.

C&I 6063. Research in Subject Matter Fields. (3-0) 3 Credit Hours.
Prerequisite: C&I 5003. A study of various past and current educational philosophies, purpose and methods of educational research including research of content, pedagogy, technology, and research on teaching and learning of concepts and skills, standards and assessments. Examination and in-depth discussion of existing links between educational research in specific subject fields and classroom practice. May be offered in: Science; Mathematics; Social Studies; English Language Arts; Foreign Languages; Physical and Health Education; Interdisciplinary. May be repeated once for credit (for a total of 6 hours) when disciplines vary.

C&I 6103. Research in Action. (3-0) 3 Credit Hours.
Action research across diverse contexts. The course includes a consideration of history and definitions of action research, and an analysis of its purpose, process, and theoretical foundations. Students will engage in practitioner-based research strategies such as observations, interviews, and document analysis and conceptualize, plan, and conduct an action research study. (Credit cannot be earned for both C&I 6103 and ECE 6653).

C&I 6123. Critical Perspectives in Curriculum and Instruction. (3-0) 3 Credit Hours.
An examination of curriculum at the intersection of power, identity, knowledge, and cultural politics. Critical theoretical frameworks introduced in this course include critical social theories and postmodernism. (Formerly C&I 7123. Credit cannot be earned for both C&I 6123 and C&I 7123).

C&I 6133. Curriculum in International Contexts. (3-0) 3 Credit Hours.
This course explores curriculum through comparative analysis of education practices in international contexts. Questions include: How is learning approached globally? How does a global perspective on curriculum transform local and global educational practices?

C&I 6303. Advanced Methods in Subject-Matter Fields. (3-0) 3 Credit Hours.
Prerequisite: C&I 5003 or consent of instructor. Course sections are designed to offer students the opportunity to develop skill in instructional methodology specifically related to and derived from the characteristics of the discipline taught: Science; Mathematics; Social Studies; Language Arts; Foreign Languages; Physical and Health Education; Interdisciplinary; Environmental Education. May be repeated for credit when disciplines vary.

C&I 6383. Community-Based Research. (3-0) 3 Credit Hours.
Overview of curricular and instructional principles for Community-Based Research (CBR). (Formerly ALT 6933. Credit cannot be earned for C&I 6383 and ALT 6933).

C&I 6513. Grant Writing. (3-0) 3 Credit Hours.
Grant writing basics and specifics. The course is designed to help educators learn how to conceptualize, write, and submit a grant application. Students will learn how to identify funding entities, develop a theoretical and research base for grants, create timelines, and utilize grant-writing strategies. (Same as ECE 6513. Credit cannot be earned for both C&I 6513 and ECE 6513).

C&I 6613. Nature and Meaning of Interdisciplinary STEM Education. (3-0) 3 Credit Hours.
This course focuses on the nature and meaning of STEM with special emphasis on the role of interdisciplinary STEM in educational environments. Participants will be asked to take a critical perspective on questions, such as: “What is Interdisciplinary STEM Education?” and “What about Interdisciplinary STEM Education is most important for a student to know?” The course will address the nature of STEM disciplines (the theories and problems which characterize them); the relationship between theory and empirical work; and the role of learning and teaching in pre-K–16 environments. (Formerly C&I 5613. Credit cannot be earned for both C&I 6613 and C&I 5613.) (Formerly titled “Nature and Meaning of Science in Education”).
C&I 6623. Inquiry in Interdisciplinary STEM Education. (3-0) 3 Credit Hours.
This course will explore developing and designing learning environments for interdisciplinary STEM Education through inquiry. Provides a broad foundation into the teaching, learning, and research of interdisciplinary STEM Education in both formal and informal contexts. (Formerly C&I 5623. Credit cannot be earned for both C&I 6623 and C&I 5623. Formerly titled “Inquiry in Science Education”).

C&I 6633. Equity, Agency, and Participation in Interdisciplinary STEM Education. (3-0) 3 Credit Hours.
This course will focus on equity, agency, and participation issues in interdisciplinary STEM Education as they relate to diverse demographics and communities. Agency is explored both as a process of becoming aware of and confident in one’s ability to impact the community at large, as well as an expression and hallmark of democratic settings. (Formerly C&I 5633. Credit cannot be earned for both C&I 6633 and C&I 5633.) (Formerly titled “Science for All? Equity and Agency in Science Education”)

C&I 6663. Topics in Curriculum and Instruction. (3-0) 3 Credit Hours.
Students are provided the opportunity for in-depth study of specialized areas of curriculum and instruction. The course may be repeated for credit when topics vary. Only 6 hours may be applied to the degree. (Formerly C&I 5663).

C&I 6673. Policy and Critical Issues in Teaching. (3-0) 3 Credit Hours.
Prerequisites: C&I 5003 and C&I 5013. Study of critical issues in school. Investigation of research, practices, and policies related to special education, bilingual and multicultural education, early childhood education, middle and secondary schools and other current broad-based social issues. (Formerly C&I 5673. Credit cannot be earned for both C&I 6673 and C&I 5673).

C&I 6693. History, Policy and Critical Issues in Social Studies Education. (3-0) 3 Credit Hours.
This course will present both the history and foundations of social studies education in America and how these have evolved over time. Students will investigate policies that impact social studies education from both historical and current viewpoints. Students will study, debate, and form a position on the research, practices and policies related to current critical issues in social studies education.

C&I 6773. Environmental Education in the Curriculum. (3-0) 3 Credit Hours.
An exploration of the integration of environmental concepts and environmental education curricula into the total school curriculum. Using local, accessible outdoor locations, students will explore the many aspects that come together to create a “Sense of Place.” This course will assist students to discover and interpret the natural history and critical environmental issues of their local communities through a variety of mediums. It is designed for educators who want to help learners of all ages to discover the wonders and intricacies of the natural world. (Same as ECE 6773. Credit cannot be earned for both ECE 6773 and C&I 6773).

C&I 6903. Environmental Issues Investigations. (3-0) 3 Credit Hours.
Rationale and strategies for investigating environmental issues at local, state, regional, or national levels. Select and implement actions to resolve issues through political, economic, legal, educational, and lifestyle avenues. (Same as ECE 6903. Credit cannot be earned for both C&I 6903 and ECE 6903).

C&I 6913. Advanced Topics in Interdisciplinary STEM Education. (3-0) 3 Credit Hours.
Topics and critical issues in interdisciplinary STEM education. Topics include focus on (1) research and development of innovative STEM learning and emerging STEM learning environments in both in and out of school settings, and (2) research that advances the field of formal and informal STEM Education. May be repeated for credit when topics vary.

C&I 6923. Mentoring. (3-0) 3 Credit Hours.
Description, analysis, and appraisal of mentoring for prospective and practicing teachers. In addition to learning about the review of research on mentoring, the course focuses on the examination of content, processes, roles, and responsibilities in interactions of mentors and teachers of prekindergarten through high school. (Formerly C&I 5923. Credit cannot be earned for both C&I 6923 and C&I 5923).

C&I 6931. Curriculum and Instruction Practicum. (0-0) 1 Credit Hour.
An exploration of the teaching profession. Required field experience for all graduate-level teacher certification students.

C&I 6933. Curriculum and Instruction Practicum. (0-0) 3 Credit Hours.
An exploration of the teaching profession. Required field experience for all graduate-level teacher certification students.

C&I 6943. Interdisciplinary Internship. (0-0) 3 Credit Hours.
Prerequisite: Consent of student’s graduate advisor. Individually supervised experience in assigned placements for one semester to assist students in developing professional and leadership skills. May be taken for teaching internship or student teaching. Enrollment in C&I 6943 (3 credit hours) requires a total of 130 hours in the field and enrollment in C&I 6946 (6 credit hours) requires a total of 260 hours in the field. May be repeated for credit, but not more than 6 hours may be applied toward the M.A. in Education degree. (Formerly titled “Instructional Internship in Teaching”)

C&I 6946. Interdisciplinary Internship. (0-0) 6 Credit Hours.
Prerequisite: Consent of student’s graduate advisor. Individually supervised experience in assigned placements for one semester to assist students in developing professional and leadership skills. May be taken for teaching internship or student teaching. Enrollment in C&I 6943 (3 credit hours) requires a total of 130 hours in the field and enrollment in C&I 6946 (6 credit hours) requires a total of 260 hours in the field. May be repeated for credit, but not more than 6 hours may be applied toward the M.A. in Education degree. (Formerly titled “Instructional Internship in Teaching”)

An exploration of the integration of environmental concepts and environmental education curricula into the total school curriculum. Using local, accessible outdoor locations, students will explore the many aspects that come together to create a “Sense of Place.” This course will assist students to discover and interpret the natural history and critical environmental issues of their local communities through a variety of mediums. It is designed for educators who want to help learners of all ages to discover the wonders and intricacies of the natural world. (Same as ECE 6773. Credit cannot be earned for both ECE 6773 and C&I 6773).

C&I 6903. Environmental Issues Investigations. (3-0) 3 Credit Hours.
Rationale and strategies for investigating environmental issues at local, state, regional, or national levels. Select and implement actions to resolve issues through political, economic, legal, educational, and lifestyle avenues. (Same as ECE 6903. Credit cannot be earned for both C&I 6903 and ECE 6903).

C&I 6913. Advanced Topics in Interdisciplinary STEM Education. (3-0) 3 Credit Hours.
Topics and critical issues in interdisciplinary STEM education. Topics include focus on (1) research and development of innovative STEM learning and emerging STEM learning environments in both in and out of school settings, and (2) research that advances the field of formal and informal STEM Education. May be repeated for credit when topics vary.

C&I 6923. Mentoring. (3-0) 3 Credit Hours.
Description, analysis, and appraisal of mentoring for prospective and practicing teachers. In addition to learning about the review of research on mentoring, the course focuses on the examination of content, processes, roles, and responsibilities in interactions of mentors and teachers of prekindergarten through high school. (Formerly C&I 5923. Credit cannot be earned for both C&I 6923 and C&I 5923).

C&I 6931. Curriculum and Instruction Practicum. (0-0) 1 Credit Hour.
An exploration of the teaching profession. Required field experience for all graduate-level teacher certification students.

C&I 6933. Curriculum and Instruction Practicum. (0-0) 3 Credit Hours.
An exploration of the teaching profession. Required field experience for all graduate-level teacher certification students.

C&I 6943. Interdisciplinary Internship. (0-0) 3 Credit Hours.
Prerequisite: Consent of student’s graduate advisor. Individually supervised experience in assigned placements for one semester to assist students in developing professional and leadership skills. May be taken for teaching internship or student teaching. Enrollment in C&I 6943 (3 credit hours) requires a total of 130 hours in the field and enrollment in C&I 6946 (6 credit hours) requires a total of 260 hours in the field. May be repeated for credit, but not more than 6 hours may be applied toward the M.A. in Education degree. (Formerly titled “Instructional Internship in Teaching”)

C&I 6946. Interdisciplinary Internship. (0-0) 6 Credit Hours.
Prerequisite: Consent of student’s graduate advisor. Individually supervised experience in assigned placements for one semester to assist students in developing professional and leadership skills. May be taken for teaching internship or student teaching. Enrollment in C&I 6943 (3 credit hours) requires a total of 130 hours in the field and enrollment in C&I 6946 (6 credit hours) requires a total of 260 hours in the field. May be repeated for credit, but not more than 6 hours may be applied toward the M.A. in Education degree. (Formerly titled “Instructional Internship in Teaching”).
C&I 6951. Independent Study. (0-0) 1 Credit Hour.
Prerequisites: Approval of the instructor and the Graduate Advisor of Record. Independent reading, research, discussion and/or writing under the direction of a faculty member. For students needing specialized work not normally or not often available as part of the regular course offerings. May be repeated for credit, but not more than 6 hours, regardless of discipline, will apply to the degree.

C&I 6953. Independent Study. (0-0) 3 Credit Hours.
Prerequisites: Approval of the instructor and the Graduate Advisor of Record. Independent reading, research, discussion and/or writing under the direction of a faculty member. For students needing specialized work not normally or not often available as part of the regular course offerings. May be repeated for credit, but not more than 6 hours, regardless of discipline, will apply to the degree.

C&I 6963. Interdisciplinary STEM Education Trends and Issues. (3-0) 3 Credit Hours.
Introduction to historical and contemporary K-16 STEM Education developments, opportunities, and challenges from both discipline-based and integrative approaches. Students will examine current Interdisciplinary STEM Education initiatives and considerations pertaining to policy, structure, process, and student learning.

C&I 6973. Special Problems. (3-0) 3 Credit Hours.
Prerequisite: Consent of instructor. An organized course offering the opportunity for specialized study not normally or not often available as part of the regular course offerings. Special Problems courses may be repeated for credit when topics vary, but not more than 6 hours, regardless of discipline, will apply to the M.A. in Education degree.

C&I 6983. Master’s Thesis. (0-0) 3 Credit Hours.
Prerequisites: Permission of the Graduate Advisor of Record and thesis director. Thesis research and preparation. May be repeated for credit, but not more than 6 hours will apply to the Master’s degree. Credit will be awarded upon completion of the thesis. Enrollment is required each term in which the thesis is in progress.

C&I 7153. Critical Multicultural Education in Urban Schools. (3-0) 3 Credit Hours.
Historical and theoretical overview of multicultural education across multiple contexts including urban education. Specific focus is paid to the emergence of Critical Multicultural Education as a pedagogical and curricular tool used to transform schools through the exploration of research in the field and in engaging with curriculum transformation processes. Students engage in the development of a strong theoretical foundation from which to think more complexly about equity and diversity related schooling processes.

C&I 7771. Independent Study. (0-0) 1 Credit Hour.
Prerequisites: Doctoral standing and permission in writing (form available) of the instructor and the student’s Graduate Advisor of Record. Independent reading, research, discussion, and/or writing under the direction of a faculty member. For students needing specialized work as part of the regular course offerings. May be repeated for credit, but no more than 6 hour will apply to the Doctoral degree.

C&I 7773. Independent Study. (0-0) 3 Credit Hours.
Prerequisites: Doctoral standing and permission in writing (form available) of the instructor and the student’s Graduate Advisor of Record. Independent reading, research, discussion, and/or writing under the direction of a faculty member. For students needing specialized work as part of the regular course offerings. May be repeated for credit, but no more than 6 hour will apply to the Doctoral degree.

C&I 7893. Directed Doctoral Research. (0-0) 3 Credit Hours.
Supervised research on a topic in Interdisciplinary Learning and Teaching. May be repeated for credit, but no more than 6 hours may be applied to the Doctoral degree.