Ph.D. in C&I Area of Specialization Elective Examples

As part of the Ph.D. in C&I, students take 21 credits of electives for their Area of Specialization (courses at 6000 level or above). The following are *examples* of elective courses/areas that may be taken as part of a student's Area of Specialization. Students are also able to choose other elective courses/areas that are not listed here. Please discuss possible courses with your advisor before registering. Remember to check the current semester schedule as classes and class rotations change.

Business/ Business Education:
GEB 6217 Communication Strategies for Business Professionals
MAN 6296 Leadership and Organizations
MAN 6525 Business Process Improvement
MAN 6899 Global Leadership Assessment and Development
MAN 6609 Cross Cultural Management
GEB 6957 International Field Study Tour
HSA 6125 Global Issues in Health Care Delivery
ECO 7296 Contemporary Issues in Global Macroeconomics
ISM 7345 Organizational Impacts of Information Systems

Curriculum & Instruction
EDG 6223 Curriculum Leadership
EDG 6224 U.S. Curricular Trends and Issues
EDG 6253 Design Components of School Curriculum
EDG 6285 Program Evaluation in Curriculum and Instruction
EDG 6625 Global Perspectives of Curricular Trends Across Nations
EDG 6628 Documentation and Assessment in Curriculum and Instruction
EDG 7251 Curriculum Implementation for School Improvement
EDG 7938 Foundations of Curriculum Inquiry

Early Childhood Education:
EEC 6026 Foundations of Early Childhood Environmental Education
EEC 6236 Principles and Models of ECE Curriculum

EEC 6239 Exploring Natural Habitats as a Curriculum for Young Learners
EEC 6246 Integrated Curriculum in Early Childhood
EEC 6327 Effective Practices in Early Childhood Environmental Education
EEC 6711 Creative Arts for Young Children
EEC 6932 Seminar in Early Childhood Education
EEX 6264 Strategies and Environments that Promote Positive Behavior in Young Children
EEX 6707 Early Intervention Services
RED 6303 Beginning Reading K-3
RED 6356 Picture Books for Content Reading

Educational Psychology:
EDF 6113 Human Development: Applications for Education (Spring)
EDF 6126 Child Development in Educational Psychology (Spring)
EDF 6138 Adolescence and Young Adulthood in Educational Psychology (Summer)
EDF 6142 Learning and Cognition in Education (Spring)
EDP 6218 Motivational Theories in Educational Psychology (Summer)
EDF 6229 Educational Psychology (Fall)
EDF 6339 Personality Theories in Education (Fall)

Elementary Education:
ARE 6315 Art: Elementary School 2
ARE 6317 Art Education in Elementary Schools
EDE 6205 Curriculum: Elementary School
LAE 6352 Language Arts in Elementary School
LAE 6415 Children's Literature: Elementary School
MAE 6151 Math, Education Math: Elementary and Middle
SCE 6151 Science: Elementary and Middle School
SSE 6151: Social Studies: Elementary and Middle School

Exercise Science:
HSC 6115 Evaluation of Health Promotion and Health Education Programs

HSC 6248 Needs Assessment and Program Planning in Health Promotion
HSC 6505 Epidemiological Basis of Health
HSC 6585 Health Behavior, Health Education, and Health Promotion
HUN 6247 Advanced Sport Nutrition
PET 6216 Behavior and Performance in Sport and Exercise
APK 6111 Advanced Exercise Physiology

Fine Arts:
ARE 6142 Art Education
ARE 6315 Art: Elementary School 2
ARE 6317 Art Education in Elementary School
ARE 6318 Contemporary Theory in Art Education
ARE 6342 Art Education in Secondary School
ARH 6015 History of Ceramics (with permission)
ARH 6481 Seminar in Contemporary Art (with permission)
ARH 6897 Seminar in Art History (with permission)
ART 6819 Graduate Studio (with permission)

Higher Education:
ADE 6381 Leadership 1: Adult Learning and Assessment
EDH 6040 Student Development Theory
EDS 6100 Leadership 2: Theories and Assessment
EDA 6103 Leadership 3: Administrative Processes
EDH 6051 Introduction to Higher Education
EDH 6065 History and Philosophy of Higher Education
EDH 6635 Organization and Administration of Higher Education
EDH 6040 Student Development Theory
EDH 6045 Student Affairs Leadership
EDH 6058 International Comparative Higher Education
EDH 6215 Community College Curriculum
EDH 6305 Improvement of Instruction in Colleges
EDH 6367 Contemporary Issues in Student Affairs

EDH 7405 Legal Issues in Higher Education
EDH 7505 Higher Education Business and Finance

Instructional Technology:
EDG 6255 Instructional Program Development
EME 6051 Models of Learning and Instruction
EME 6209 Self-Regulated Learning Systems
EME 6415 Courseware Design
EME 6426 Digital Literacy for Global Educators
EME 6456 K-12 Online Teaching Foundations
EME 6458 Distance Education in Theory and Practice
EME 6601 Instructional Design
EME 6623 Technological and Theoretical Foundations of Learning
EME 6716 Organization and Management Learning Technologies
EME 6816 Authentic, Standards-Based Assessment for 21st Century Learners

Language Arts
AML 6938 Literature Studies
ENC 6700 Studies in Composition Methodology and Theory
ENC 6930 Special Topics in Composition
ENG 6009 Principles and Problems of Literary Studies
ENG 6925 Colloquium in English

Math/ Math Education:
MAE 6151 Mathematics: Elementary and Middle School
MAE 6155 Teaching Mathematics: Middle and High School
MAD 6108 – Discrete Mathematics for Teachers
MHF 6410-Calculus from a Historical Perspective
MTG 6415 – Fractal Geometry
MTG 6226- Advanced Euclidean Geometry
MAS 6318- Advanced Algebra and Geometry

STA 6116- Technology in Statistics and Probability
MAS 6217 – Number Theory and Cryptography
MTG 6418- Dynamical Systems, Chaos & Computing
MAT 6516- Problem Solving and Recreational Math

Multicultural Education:
EDF 6887 Foundations of Multicultural Curriculum
EDF 6800 Foundations of Global Education
EDF 6615 Black Perspectives in Education
EDF 6637 Race, Class and Gender in Education
EDF 7578 Critical Foundations of Education Inquiry
EDG 6625 Global Perspectives of Curricular Trends Across Nations

Reading & Literacy Education:
RED 6303 Beginning Reading K-3
RED 6351 Developmental Reading
RED 6356 Picture Books for Content Learning
RED 6361 Teaching Reading in Secondary & Middle Schools
RED 6518 Reading Diagnosis and Practicum for Classroom Teachers
RED 6546 Reading Diagnosis
RED 6548 Remedial Reading
RED 6656 Trends & Issues in Reading Education
LAE 6352 Language Arts in Elementary School
LAE 6415 Children's Literature: Elementary School
RED 6518 Reading Diagnosis and Practicum for Classroom Teachers
RED 6836 Reading Practicum
RED 6937 Special Topics in Reading

Secondary Education:
ARE 6342 Art Education in Secondary Schools
EDF 6229 Educational Psychology

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EDF 6800 Foundations of Global Education
EDG 6235 Middle School Curriculum
EDG 6345 Instructional Strategies and Assessment Practices
EDG 6408 Managing Inclusive Classrooms and Effective Discipline
ESE 6215 Senior High School Curriculum (with internship)
MAE 6155 Teaching Mathematics, Middle/High School
RED 6361 Teaching Reading in Secondary & Middle Schools

Science & Environmental Education:
*SCE 6151 Science: Elementary and Middle School
*SCE 6644 Trends & Issues in Environmental
*SCE 6344 Advanced Methods of Environmental Education
*SCE 6345 Perspectives of Environmental Education
PCB 6409 Climate Change: Ecosystems to Human Health
EVR 6334 Environmental Restoration
EVR 6358 Restoration Implementation and Management
GLY 5575C Coastal Environments
GLY 6737 Advanced Ecology
PCB 6046 Ecological Theory
PCB 6406 Environmental Physiology
PCB 6749 Physiology of Marine Animals
PCB 6775 Coral Reef Systems and Coral Reef Systems Lab
*Taking these four courses earns a graduate certificate in Environmental Education (in addition to acting as electives for the PhD)

Special Education:
EEX 6065 Transition Planning for Individuals with Disabilities
EEX 6095 Nature and Characteristics of Autism Spectrum Disorders
EEX 6121 Language and Students with Disabilities
EEX 6210 Diagnosis, Assessment and Instructional Decision Making for Students with Autism Spectrum Disorders
EEX 6225 Assessment and Evaluation of Students with Disabilities
EEX 6247 Program Design in Special Education
EEX 6259 Cognitive and Metacognitive Learning Strategies

EEX 6298 Intervention for Social, Communication, Academic and Functional Skills for Students with Autism Spectrum Disorders
EEX 6480 Instructional Design in Special Education
EEX 7055 Learning & Behavior Characteristics
EEX 7525 Legal Foundations of Special Education
EEX 7526 Grant Writing
EEX 7618 Advanced Behavior Analysis
EEX 7795 Cultural & Linguistic Diversity: Issues & Implications in Special Education
EEX 7938 Seminar in Exceptional Student Education Leadership (1 credit each)
Triad of Professional Activities in Higher Education Orientation to Research
Traditional Course Development and College Teaching
Web-based Course Development and College Teaching

TESOL and Bilingual Education:
LIN 6107 History of the English Language
LIN 6128 Historical Linguistics
LIN 6135 Principles of Linguistic Analysis
LIN 6150 Foundations of Linguistic Theory
LIN 6156 Cognitive Linguistics
LIN 6585 Morphology and Syntax
LIN 6601 Sociolinguistics
LIN 6622 Bilingualism
LIN 6674 Grammaticalization
LIN 6676 Structure of Modern English
LIN 6707 Psycholinguistics
LIN 6720 Second Language Acquisition
LIN 6938 Seminar in Linguistics (Topics Vary)
TSL 6253 Applied Linguistics and TESOL