MINIMUM PROGRAM CREDITS REQUIREMENTS (70 HOURS)

I. COMMON CORE (3 Hours)
   EEX 7743 Philosophies of Inquiry (3)

II. RESEARCH METHODS AND TOOLS (25 HOURS Minimum)

   IIa. Research Methods (14 Hours Minimum)
       EDF 7408 Statistical Analysis in Education II (4)
       EDF 7410 Design of Systematic Studies in Education (4)
       EDG 6931 Introduction to Qualitative Research (3)
       xxxxx xxxxx Specialized Research Method Course: To be determined (3)

   IIb. Tools and Applications (11 Hours Minimum)
       ECT 7791 Research Seminar in Career and Workforce Education I (3)
       ECT 7791 Research Seminar in Career and Workforce Education II (3)
       ECT 7791 Research Seminar in Career and Workforce Education III (3)
       ECT 7768 Information Research Strategies (1)
       ECT 7770 Scholarly Writing for Doctoral Students (1)

III. CONCENTRATION COURSES (30 HOURS Minimum)

   IIIa. Required CWE Core Courses (18 Hours Minimum)
       ECW 7066 Foundations and Principles of Career and Workforce Education (3)
       ECW 7168 Contextual Teaching and Learning Principles (3)
       EVT 7167 Career Development in Vocational Technical and Adult Education (3)
       ECW 7105 Planning and Implementation (3)
       ECT 6766 Emerging Workplace Competencies (3)
       EDG 7931 Comparative Systems (3)

   IIIb. Cognate (12 Hours Minimum)
       Courses TBD Depending on Individual Interests (12)

IV. DISSERTATION (12 HOURS Minimum)
   ECT 7980 Dissertation Hours (12)

1 Approved for students entering Fall 2012 and after.
COURSE DESCRIPTIONS

Common Core

EEX 7743 Philosophies of Inquiry. The course introduces students to the assumptions underlying different ontological and epistemological stances, the nature of the relationship between the inquirer and what passes for knowledge, and the premises of the methodological tools employed in the inquiry process.

Research Preparation

- **Research Methods**

  EDF 6408 Statistical Analysis for Education Research II. Theory and application of statistical procedures to problems in education: (1) ANOVA-factorial; ANCOVA; (2) multiple correlation and regression—a specific technique and a general approach to data analysis. Coordinated use of computer included. (PR: EDF 6407 or equiv. or CI)


  EDG 6931: Introduction to Qualitative Research in Education. An introductory course examining the premises and approaches for conducting qualitative research and analyzing resulting data.

  *Specialized Research Method Course.* An elective specialized course will be required to complement research preparation based on individual needs.

  Additional courses may be added to the core research preparation depending upon individual student interests and/or needs if necessary with approval from major professor.

- **Tools and Applications**

  ECT 7791: Research Seminar in CWE (I). This initial 3-credit seminar focuses on the scholarship tools and examination/critical evaluation of research in a particular specialization area of career and workforce education. Students are expected to develop research questions and summarize relevant literature leading to the development of a research prospectus.

  ECT 7791: Research Seminar in CWE (II and III). Students will complete two additional 3-credit research seminars focusing on the use of tools and applications related to research design, data collection, analysis, and report writing. The emphasis will be on the progressive application of research skills as students advance in the program.
ECT 7768: *Information Research Strategies.* This course will provide an introduction to the information research process at the graduate study level including knowledge and skills associated with accessing, evaluating, organizing and managing information supporting graduate level research.

ECT 7770: *Scholarly Writing for Doctoral Students.* This course will provide an opportunity for students to enhance writing, editing, reviewing and other applicable skills underlying the development of research proposals, empirical manuscripts, or technical report of publishable quality.

**CWE Concentration**

- **CWE Core**

  **ECW 7066: Foundations and Philosophy of Voc/Tech and Adult Education.** This course examines the social and economic principles underlying our nation’s CWE system including education, training, career counseling, job placement, policymaking, and other elements with an in-depth focus on the K-14 career and technical education component.

  **ECW 7168: Instructional Development for Voc/Tec and Adult Education.** This course reviews recent developments in teaching and learning theory grounded in contextual situations as applied to career and workforce education. The implications for curriculum development, teaching, and learning are discussed.

  **ECW 7105: Voc. And Adult Ed. Program Planning and Evaluation.** This course provides an introduction to contemporary evaluation approaches and their application in career and workforce education. The course content includes a review of relevant educational theories and research. Special emphasis is placed on planning, developing, and evaluating CWE programs.

  **ECT 6766. Emerging Workplace Competencies.** This course examines emerging workplace competencies through literature analysis, research, and implications for the integration of education-and-work experiences for the purpose of professional development and program improvement.

  **EVT 7155: Career Development in Vocational Technical and Adult Education.** This course provides an overview of major theories of career development, examines related research in career and workforce education context, and addresses the implications for integration in the curriculum and service supports in different settings.

  **EDG 7931: Comparative Study of CWE Systems.** This course provides an overview of global perspectives and models for career and workforce education including a comparison of national, state, and international systems. This course includes a study
visit in Germany to develop further insights about the “dual system”, which has historically served as a frame of reference in the field.

- **Cognate**

  *To Be Determined.* Doctoral students select and complete a relevant cognate area based on individual interests and career goals. The selected cognate allows students to further their expertise in a particular area in the CWE continuum by completing a minimum of 12 credit hours of relevant coursework.