

**Ph.D. Specialization: Curriculum and Instruction – Career & Technical Education**

**Doctoral Core – 8 Credit Hours**

<b>Course Number</b>	<b>Course Title</b>	<b>Credits</b>	<b>Taken Semester/Year</b>
ED 604	Grant Writing and External Funding	3	
ED 604	Writing for Publication	3	
ED 611	Doctoral Seminar I	1	
ED 612	Doctoral Seminar II	1	

**Research Core – 9 Credit Hours**

<b>Course Number</b>	<b>Course Title</b>	<b>Credits</b>	<b>Taken Semester/Year</b>
ED 680	Philosophical Foundations of Educational Research	3	
ED 571	Introduction to Quantitative Research	3	
ED 574	Introduction to Qualitative Research	3	

**Research Electives – 9 Credit Hours**

<b>Course Number</b>	<b>Course Title</b>	<b>Credits</b>	<b>Taken Semester/Year</b>
ED 595	Survey Design for Social Science Research	3	
ED 584	Intermediate Quantitative Analysis in Education	3	
ED 587	Advanced Quantitative Analysis	3	
ED 589	Designing and Conducting Qualitative Research	3	
ED 590	Qualitative Research: Writing, Critiquing, Practice, and Application	3	

\*NOTE: Coursework outside the college may be substituted (e.g. Statistics)

**Specialization– 12 Credit Hours**

<b>Course Number</b>	<b>Course Title</b>	<b>Credits</b>	<b>Taken Semester/Year</b>
AOLL 507	Future of Education and Work	3	
CTE 415	Microcomputer Applications	3	
CTE 420	Evaluation in Professional-Technical Education	3	
CTE 426	Occupational Analysis and Curriculum Development	3	
CTE 464	Career Guidance and Transitioning to Work	3	
CTE 472	Teaching and Learning in Occupational Education	3	
CTE 551	Principles and Philosophy of Career and Technical Education	3	

**Cognate - 18 Credit Hours (often transferred from Masters)**

Course Number	Course Title	Credits	Taken Semester/Year
EDCI 504	Theory & Practice of Place-Based Education	3	
EDCI 511	Planning and Administering the Curriculum	3	
EDCI 513	History of Educational Thought	3	
EDCI 524	Models of Teaching	3	
EDCI 526	Advance Educational Psychology	3	
EDCI 572	Assessment and Evaluation	3	

**Immersion Experience – 6 Credit Hours**

Course Number	Course Title	Credits	Taken Semester/Year
CTE 597	Practicum (cr arr)	3	
CTE 598	Internship (cr arr)	3	

**Dissertation – 18 Credit Hours**

Course Number	Course Title	Credits	Taken Semester/Year
ED 600	Dissertation	18	

<b>Doctoral Core</b>	<b>8</b>
<b>Specialization</b>	<b>12</b>
<b>Research courses</b>	<b>18</b>
<b>Cognate</b>	<b>18</b>
<b>Immersion</b>	<b>6</b>
<b>Dissertation</b>	<b><u>18</u></b>
<b>Total</b>	<b>80</b>