



GACE® Curriculum and Instruction Assessment (300) Curriculum Crosswalk

Required Coursework Numbers

Subarea I. Curriculum and Instruction (23%)															
<i>Objective 1: Understands the foundational components of an effective curriculum development process</i>															
A. Understands how to design, implement, and evaluate curriculum to promote student learning															
B. Understands the philosophical frameworks that undergird curriculum design															
C. Understands content standards and how these are organized in the curriculum															
D. Understands how to align curriculum across local, state, and national standards within and across subject areas															
E. Knows resources, including technology, to support best teaching practices and to enhance student learning															
F. Knows how to use performance data and student work to evaluate curriculum															
G. Is familiar with strategies to refine curriculum															
<i>Objective 2: Understands the impact of instructional practices on student learning</i>															
A. Understands how to use best practices to promote student learning															
B. Understands content pedagogy to plan, implement, and assess the important ideas within a content body of knowledge to benefit student learning															

Required Coursework Numbers

C. Understands how to design and modify learning environments that promote learning based on best practices and student performance data																		
D. Understands when and how to differentiate instruction based on diverse student needs																		
E. Understands how to use appropriate resources, including technology, to promote student learning																		
F. Understands culturally responsive pedagogy																		
G. Understands how to evaluate and modify instruction based on a variety of data, educational research, and continuous self-assessment																		
Subarea II. Research (12%)																		
<i>Objective 1: Knows how to use a variety of research methods to inform educational practices</i>																		
A. Knows how to use quantitative, qualitative, and/or mixed research methods to investigate educational problems																		
B. Knows how to articulate research findings in a variety of forums																		
<i>Objective 2: Understands how to apply research and data to promote student learning</i>																		
A. Understands how to apply current research and data to demonstrate content knowledge to promote student learning																		
B. Knows how to apply research to inform curriculum, instruction, and assessment to improve student learning, classroom processes, and/or institutional practices																		

Required Coursework Numbers

Subarea III. Students as Learners (14%)																	
<i>Objective 1: Understands educational and developmental theories and the factors that influence learning</i>																	
A. Understands developmental theory and the impact on learning																	
B. Knows how cognitive, linguistic, social, emotional, economic, and physical development influence learning																	
C. Understands the theoretical foundations of how students learn																	
<i>Objective 2: Understands that a number of variables affect how students learn and perform</i>																	
A. Understands how to meet the diverse needs of students																	
B. Understands areas of exceptionality and the impact on student learning																	
C. Understands the influence of language and culture on learning																	
Subarea IV. Assessment (14%)																	
<i>Objective 1: Understands assessment design and evaluation strategies to inform curriculum and instruction</i>																	
A. Understands the principles of assessment design																	
B. Understands the role of formal and informal assessment to inform instructional practice																	
C. Understands the purpose of feedback to promote student learning																	

Required Coursework Numbers

D. Knows how to provide feedback to improve student learning															
E. Understands how to analyze and evaluate assessment results to inform instruction and to facilitate student learning															
F. Knows how to conduct program evaluations to determine the effectiveness of curriculum and instructional practice															
G. Understands how to interpret assessment results															
H. Understands how to communicate pertinent assessment information to a variety of audiences															
<i>Objective 2: Understands how to select and apply a variety of assessment methods and tools to promote continuous improvement</i>															
A. Understands how to select from a variety of assessment formats to address specific learning goals and to evaluate student performance; i.e., essay, selected response, portfolio, observation, performance, conference, etc.															
B. Understands how to use diagnostic, formative, and summative assessments to differentiate instruction															
C. Understands the distinction between norm-referenced and criterion-referenced scoring															
D. Understands the terminology related to testing and scoring; i.e., validity, reliability, mean, median, mode, raw score, scaled score, percentile, etc.															

Required Coursework Numbers

E. Understands how to use assessment data to identify longitudinal trends, achievement gaps, and to establish goals to promote continuous improvement															
Subarea V. Professional Practices (12%)															
<i>Objective 1: Understands a variety of professional development practices and resources that promote professional growth and influence student learning</i>															
A. Understands how to establish and implement high standards to promote academic rigor and intellectual inquiry															
B. Knows a variety of professional development practices and resources to promote continuous learning															
C. Understands behaviors associated with mentoring, coaching, and content facilitation to support professional growth															
D. Knows how to facilitate professional learning experiences whose goals are aligned with those of the school and/or district															
E. Knows the principles of adult learning and the implications for professional development															
F. Understands how to scaffold and differentiate professional learning experiences in response to individual, team, grade level, department, school, and/or district needs															
<i>Objective 2: Understands a variety of strategies to promote leadership and student learning</i>															
A. Knows leadership strategies to promote and use the skills, expertise, and knowledge of others to promote student learning															

Required Coursework Numbers

B. Understands how to model collaboration, leadership, and professionalism by serving as an advocate for the profession															
Subarea VI. Analysis (25%)															
<i>Objective 1: Curriculum, Instruction, and Assessment</i>															
A. Understands how to design, implement, and evaluate curriculum to promote student learning															
B. Understands how to align content across local, state, and national standards within and across subject areas															
C. Knows how to use performance data and student work to evaluate curriculum															
D. Understands how to use best practices to promote student learning															
E. Understands how to evaluate and modify instruction based on a variety of data, educational research, and continuous self-assessment															
F. Understands the role of formal and informal assessment to inform instruction															
G. Understands how to analyze and evaluate assessment results to inform instruction and to facilitate student learning															
H. Knows how to conduct program evaluations to determine the effectiveness of curriculum and instructional practice															
I. Understands how to interpret assessment results															

Required Coursework Numbers

J. Understands how to communicate pertinent assessment information to a variety of audiences															
K. Understands how to select from a variety of assessment formats to address specific learning goals and to evaluate student performance															
L. Understands how to use assessment data to identify longitudinal trends, achievement gaps, and to establish goals to promote continuous improvement															
<i>Objective 2: Research and Students as Learners</i>															
A. Knows how to use quantitative, qualitative, and/or mixed research methods to investigate educational problems															
B. Knows how to apply research to inform curriculum, instruction, and assessment to improve student learning, classroom practices, and/or institutional practices															
C. Knows how to articulate research findings in a variety of forums															
D. Understands how to meet the diverse needs of students															
E. Understands how to use assessment data to identify longitudinal trends, achievement gaps, and to establish goals to promote continuous improvement															
<i>Objective 3: Professional Practices</i>															
A. Understands how to establish and implement high standards to promote academic rigor and intellectual inquiry															

Required Coursework Numbers

B. Knows a variety of professional development practices and resources to promote continuous learning															
C. Understands behaviors associated with mentoring, coaching, and content facilitation to support professional growth															
D. Knows leadership strategies to promote and use the skills, expertise, and knowledge of others to promote student learning															
E. Understands how to model collaboration, leadership, and professionalism by serving as an advocate for the profession															