

# **Addendum Tables and Figures**

**Technology Tables**

## TECHNOLOGY TABLES

### Technology Theme Charts

**Table: 7.1a:** Technology Standards and Objectives: Alignment with CAEP Technology Standards

EPP Standards	EPP Standards' Technology Objectives
<p><b>EPP Standard 1: Knowledge</b>  <b>Goal:</b> Candidates have a comprehensive understanding of the Liberal Arts and Sciences and Education Foundations' content, concepts and modes of inquiry and make connections among disciplines.</p>	<p><u>Objective:</u> 1.3 Use technology proficiently and understand its potential as a tool for teaching and learning.            CAEP 1.5, 3.4</p>
<p><b>EPP Standard 2: Personal and Global Consciousness</b>  <b>Goal:</b> Candidates examine, deconstruct, and reconstruct their own and others' beliefs, values and perspectives to understand their own cultures and to develop empathy and acceptance towards others' cultures.</p>	<p><u>Objective:</u> 2.3 Use technology to gain knowledge of the beliefs, values, and perspectives of their own community and communities worldwide.            CAEP 1.5, 2.3</p>
<p><b>EPP Standard 3: Analytical Ability</b>  <b>Goal:</b> Candidates effectively and comprehensively deconstruct texts to uncover hidden meanings, to make connections, to draw inferences and to develop multiple perspectives toward various ideas and issues.</p>	<p><u>Objective:</u> 3.4 Use technology as a problem-solving tool to gather, organize and analyze information.            CAEP 1.5, 2.1,2.3</p>
<p><b>EPP Standard 4: Creativity</b>  <b>Goal:</b> Candidates conceptualize, design, and develop imaginative and innovative work.</p>	<p><u>Objective:</u> 4.4 View technology as a path to new and effective ways of teaching and learning.            CAEP 1.5, 2.1,2.3,3.4</p>
<p><b>EPP Standard 5: Professionalism</b>  <b>Goal:</b> Candidates adopt a reflective practitioner stance toward teaching, learning, and collaboration with parents, colleagues and students that embraces inquiry, reciprocity and critique.</p>	<p><u>Objective:</u> 5.3 Use technology and other media to enhance learning.  <u>Objective:</u> 5.5 Use technology as a tool for teaching and learning.            CAEP 1.5, 2.1,2.3, 3.4</p>

<p><b>EPP 6: Effective Communication</b>  <b>Goal:</b> Candidates speak and write in appropriate registers depending on audiences and purposes and as a tool to share, analyze demonstrate comprehensive fluency in numeracy.</p>	<p><u>Objective:</u> 6.2 Use technology as an efficient and innovative means of communication.  CAEP 2.1, 2.3, 3.4</p>
<p><b>EPP Standard 7: Collaboration</b>  <b>Goal:</b> Candidates work effectively with other constituencies by seeking out others' ideas, valuing multiple points of view, and building cooperative relationships.</p>	<p><u>Objective:</u> 7.3 Use technology and synthesize ideas.  CAEP 1.5, 2.1,2.3, 3.4</p>
<p><b>EPP Standard 8: Commitment and Care</b>  <b>Goal:</b> Candidates practice social justice, with others, believe that all children can learn, hold high expectations themselves, and carry out sustained commitment to teaching and learning.</p>	<p><u>Objective:</u> 8.4 Recognize technology as a source of continuous education.  CAEP 1.5, 2.1,2.3, 3.4</p>

**Table 7.1b: Technology-Related Program Wide Activities, Fall '14- Spr '15**

Course Work	Learning Experience	Technology Integration and Proficiencies	Exemplary	Competent	Emerging	Unsatisfactory
<p><b>Early Field/Clinical Practice</b></p>						
<p><b>EDUC 102: Introduction to the World of the Learners. N=142</b></p>	<p>Educational Autobiography (ePortfolio Project)</p>	<p>ePortfolio, PowerPoint, Video clips, Smartboard, Blackboard. (1.5, 2.1,2.3,3.4)</p>	<p>46 (32%)</p>	<p>42(30%)</p>	<p>37(26%)</p>	<p>17(12%)</p>
<p><b>EDUC 152: Introduction to Special Education N=128</b></p>	<p>Group presentation</p>	<p>PowerPoint presentation tools and multimedia tools, videos &amp; simulation materials. (1.5, 2.1,2.3,3.4)</p>	<p>120(94%)</p>	<p>0(0%)</p>	<p>4(.03%)</p>	<p>4 (.03%)</p>
<p><b>EDUC 203: Introduction to Developmental Disabilities</b></p>	<p>Case study presentation; Resource guide</p>	<p>Assistive technology tools, tablets, laptops, websites,</p>	<p>5(29%)</p>	<p>12(71%)</p>	<p>0(0%)</p>	<p>0(0%)</p>

N=8		videos. (1.5, 2.1,2.3,3.4)				
<b>EDUC 231: Child Development</b> N=128	Multimedia glossary	Blackboard, web resources, multimedia tools. (1.5, 2.1,2.3,3.4)	120(94%)	0(0%)	4(.03%)	4 (.03%)
<b>EDUC 252: Principles of Early Intervention: Needs of Infants, Toddlers and Young Children with Developmental Disabilities</b> N=20	Memoir Project: PowerPoint presentation	PowerPoint presentation tools and multimedia tools, Video, Blackboard. (1.5, 2.1,2.3,3.4)	15(75%)	4 (20%)	1 (5%)	0 (0%)
<b>EDUC 350: Computers in Education</b> N=44	WebQuest, Assistive technology research, internet lesson plan, ePortfolio	Blackboard, web resources, multimedia tools, Microsoft Word or multi-media software, Hyperstudio or PowerPoint. (1.5, 2.1,2.3,3.4)	22(50%)	16(36%)	4(9%)	2(4.5%)
<b>EDUC 355: Critical issues in History of Education</b> N=44	Ethnography research project	PowerPoint presentation tools and multimedia tools, Video, Blackboard, ePortfolio	32(50%)	16(36%)	4(9%)	1(3.5%)
<b>EDUC 314: Teaching Elementary Social Studies</b> N=5	Interdisciplinary unit plan	Blackboard, ePortfolio, videos, distance learning. (1.5, 2.1,2.3,3.4)	46 (32%)	42(30%)	37(26%)	17(12%)
<b>EDUC 315: Teaching of Mathematics:</b> N=36	Website research, Unit Plan, Modified lesson plan	Websites, ebooks, applets, video clips, assistive technology tools, Blackboard, (1.5, 2.1,2.3,3.4)	17 (71%)	4 (29%)	0(0%)	0(0%)
<b>EDUC 317: Teaching Science</b> N=11	Interdisciplinary unit plan	PowerPoint, Blackboard, videoclips, videos, simulations, distance	10 (98%)	1 (09%)	0 (0%)	0 (0%)

		learning. (1.5, 2.1,2.3,3.4)				
<b>EDUC 311: Teaching Reading 1</b> N=12	Reading family project and group presentation, Reading instruction and assessment plan	Blackboard, Smartboard, PowerPoint, Web resources, PowerPoint, assistive technology. (1.5, 2.1,2.3,3.4)	4(33%)	8(67%)	0(0%)	0(0%)
<b>EDUC 312: Teaching Reading 2</b> N=12	Guided Reading Lesson & Reflection	Blackboard, Smartboard, videos, PowerPoint. (1.5, 2.1,2.3,3.4)	6(50%)	6(50%)	0(0%)	0(0%)
<b>EDUC 381: Reading Methods and Materials for Exceptional Learners</b> N=33	Reading Intervention Plan	Blackboard, smartboard, videos, and Assistive technology. (1.5, 2.1,2.3,3.4)	8 (24%)	15 (45%)	1 (.03%)	0 (0%)
<b>EDUC 340: Assessment in Education</b>						

**Technology-Related Program Wide Activities, Fall '15-Spring '16**

<b>Couse Work</b>	<b>Learning Experience</b>	<b>Technology Integration and Proficiencies</b>	<b>Exemplary</b>	<b>Competent</b>	<b>Emerging</b>	<b>Unsatisfactory</b>
<b>Early Field/Clinical Practice</b>						
<b>EDUC 102: Introduction to the World of the Learners N=136</b>	Educational Autobiography (ePortfolio Project)	ePortfolio, PowerPoint, Video clips, Smartboard, Blackboard. (1.5, 2.1,2.3,3.4)	38(28%)	80(59%)	18(15%)	0(0%)
<b>EDUC 152:Introduction to Special Education N=120</b>	Group presentation	PowerPoint presentation tools and multimedia tools, videos & simulation materials. (1.5, 2.1,2.3,3.4)	41(34%)	53(44%)	26(22%)	0(0%)
<b>EDUC 203: Introduction to Developmental Disabilities</b>	Case study presentation; Resource guide	Assistive technology tools, tablets, laptops, websites, videos. (1.5, 2.1,2.3,3.4)	4(24%)	13(76%)	0(0%)	0(0%)

N=17						
<b>EDUC 231: Child Development</b> N=128	Multimedia glossary	Blackboard, web resources, multimedia tools, . (1.5, 2.1,2.3,3.4)	120(94%)	0(0%)	4(.03%)	4 (.03%)
<b>EDUC 252: Principles of Early Intervention: Needs of Infants, Toddlers and Young Children with Developmental Disabilities</b> N=26	Memoir Project: PowerPoint presentation	PowerPoint presentation tools and multimedia tools, Video, Blackboard. (1.5, 2.1,2.3,3.4)	6(23%)	20(77%)	0(0%)	0(0%)
<b>EDUC 350: Computers in Education</b> N=25	, Assistive technology research, internet lesson plan, ePortfolio WebQuest	Blackboard, web resources, multimedia tools, Microsoft Word or multi-media software, Hyperstudio or PowerPoint, ePortfolio technology, assistive technology. (1.5, 2.1,2.3,3.4)	16(64%)	6(24%)	1(.04%)	6(24%)
<b>EDUC 355: Critical issues in History of Education</b> N=25	Ethnography research project	PowerPoint presentation tools and multimedia tools, Video, Blackboard, ePortfolio	16(64%)	6(24%)	1(.04%)	6(24%)
<b>EDUC 311: Teaching Reading 1</b> N=18	Reading family project and group presentation, Reading instruction and assessment plan	Blackboard, Smartboard, PowerPoint, Web resources, PowerPoint, assistive technology. (1.5, 2.1,2.3,3.4)	4(33%)	8(67%)	0(0%)	0(0%)
<b>EDUC 312: Teaching Reading 2</b> N=18	Guided Reading Lesson & Reflection	Blackboard, Smartboard, videos, PowerPoint, Softchalk	6(50%)	6(50%)	0(0%)	0(0%)
<b>EDUC 314: Teaching Elementary Social Studies</b>	Interdisciplinary unit plan	Blackboard, ePortfolio, videos, distance learning. (1.5, 2.1,2.3,3.4)				

<b>N=0</b>						
<b>EDUC 315: Teaching of Mathematics: N=24</b>	Website research, Unit Plan, Modified lesson plan	Websites, ebooks, applets, video clips, assistive technology tools, Blackboard, distance learning. (1.5, 2.1,2.3,3.4)	9(38%)	14(54%)	2(8%)	0(0%)
<b>EDUC 317: Teaching Science N=8</b>	Interdisciplinary unit plan	PowerPoint, Blackboard, videoclips, videos, simulations, distance learning	0(0%)	<b>8(100%)</b>	0(0%)	0(0%)
<b>EDUC 381: Reading Methods and Materials for Exceptional Learners N=20</b>	Reading intervention plan, guided reading lesson & reflection	Blackboard, Smartboard, PowerPoint, assistive technology. (1.5, 2.1,2.3,3.4)	5(25%)	15(75%)	0(0%)	0(0%)

**Technology-Related Program Wide Activities, Fall '16-Spr '17**

<b>Couse Work</b>	<b>Learning Experience</b>	<b>Technology Integration and Proficiencies</b>	<b>Exemplary</b>	<b>Competent</b>	<b>Emerging</b>	<b>Unsatisfactory</b>
<b>Early Field/Clinical Practice</b>						
<b>EDUC 102: Introduction to the World of the Learners N=143</b>	Group presentation	PowerPoint presentation tools and multimedia tools, videos & simulation materials. (1.5, 2.1,2.3,3.4)	34(24%)	105(73%)	4(3%)	0(0%)
<b>EDUC 152:Introduction to Special Education N=103</b>	Case- study presentation; Resource guide	Assistive technology tools, tablets, laptops, websites, videos, Blackboard. (1.5, 2.1,2.3,3.4)	25(24%)	61(59%)	17(17%)	0(0%)
<b>EDUC 203: Introduction to Developmental Disabilities N=17</b>	Memoir Project: PowerPoint presentation	PowerPoint presentation tools and multimedia tools, Video, Blackboard. (1.5, 2.1,2.3,3.4)	4(24%)	11(65%)	2(11%)	0(0%)
<b>EDUC 252: Principles of Early Intervention: Needs of Infants, Toddlers and Young Children</b>	Projects to scaffold the development of a learning center	Blackboard, webresources, multimedia tools, Microsoft Word or multi- media software, Hyperstudio or	10(38%)	16(62%)	0(0%)	0(0%)

<b>with Developmental Disabilities</b> N=26	psychological principles  Essays, applying theories to education-based scenarios.	PowerPoint. (1.5, 2.1,2.3,3.4)				
<b>EDUC 350: Computers in Education</b> N=79	WebQuest, Assistive technology research, internet lesson plan, ePortfolio	Blackboard, video clips, laptops, ipads, PowerPoint, website resources, assistive technology, excel program, smartboard. (1.5, 2.1,2.3,3.4)	42(53%)	20(25%)	8(10%)	9(11%)
<b>EDUC 311: Teaching Reading 1</b> N=34	Reading family project and group presentation, Reading instruction and assessment plan	Blackboard, Smartboard, PowerPoint,  Web resources, PowerPoint, assistive technology. (1.5, 2.1,2.3,3.4)	15(44%)	18(53%)	2(.05%)	0(0%)
<b>EDUC 312: Teaching Reading 2</b> N=34	Guided Reading Lesson & Reflection	Blackboard, Smartboard, videos, PowerPoint, website resources. (1.5, 2.1,2.3,3.4)	15(44%)	18(53%)	2(.05%)	0(0%)
<b>EDUC 314: Teaching Elementary Social Studies</b> N=13	Interdisciplinary unit plan	Websites, ebooks, applets, video clips, assistive technology tools, Blackboard, distance learning, ePortfolio. (1.5, 2.1,2.3,3.4)	0(0%)	13(100%)	0(0%)	0(0%)
<b>EDUC 315: Teaching of Mathematics:</b> N=36	Website research, Unit Plan, Modified lesson plan	PowerPoint, Blackboard, video clips, videos, websites, ebooks, applets. (1.5, 2.1,2.3,3.4)	0(0%)	36(100%)	0(0%)	0(0%)
<b>EDUC 317: Teaching Science</b> N=8	Interdisciplinary lesson plan	Blackboard, Smartboard, PowerPoint, distance learning, simulations. (1.5, 2.1,2.3,3.4)	0(0%)	8(100%)	0(0%)	0(0%)
<b>EDUC 381: Reading Methods and Materials for</b>	Reading intervention project, Guided	Blackboard, Smartboard, videos, PowerPoint,	3(9%)	30(91%)	0(0%)	0(0%)



<b>Exceptional Learners</b> N=33	Reading Lesson & Reflection	assistive technology. (1.5, 2.1,2.3,3.4)				

Performance on Technology-Related Early Field and Clinical Activities: Fall '14-Spr '15

Course Work	Learning Experience	Technology Integration and Proficiencies	Exemplary	Competent	Emerging	Unsatisfactory
<b>Early Field/Clinical Practice</b>						
<b>EDUC 501: Shadowing Professionals</b> N=133	Educational Autobiography (ePortfolio Project)	ePortfolio, PowerPoint, Video clips, Smartboard, Blackboard. (1.5, 2.1,2.3,3.4)	114(86%)	19(14%)		
<b>EDUC 502: Observation in Education</b> N=118	Group presentation	PowerPoint presentation tools and multimedia tools, videos & simulation materials. (1.5, 2.1,2.3,3.4)	0(0%)	118(100%)	0(0%)	0(0%)
<b>EDUC 504: Technology in classroom</b> N=44	Teaching with WebQuest	Blackboard, videoclips, laptops, ipads, PowerPoint, website resources, assistive technology, excel program, smartboard. (1.5, 2.1,2.3,3.4)	42(53%)	20(25%)	8(10%)	9(11%)
<b>EDUC 505: Working with individual learners</b> N=29	Case study presentation; Resource guide, teaching modified lesson	Assistive technology tools, tablets, laptops, websites, videos. (1.5, 2.1,2.3,3.4)	2(7%)	27(93%)	0(0%)	0(0%)
<b>EDUC 506: Working with small group of learners</b> N=27	Family Science fair, case study/guided reading lesson, lesson plan on an era or event, in New York, based on	PowerPoint presentation tools and multimedia tools, Video, Blackboard, ePortfolio, Smartboard, distance	0(0%)	27(100%)	0(0%)	0(0%)

	American or Global history	learning. (1.5, 2.1,2.3,3.4)				
<b>EDUC 507: Curriculum research and design</b> N=22	Memoir Project: PowerPoint presentation,	Blackboard, webresources, multimedia tools, Microsoft Word or multi-media software, Hyperstudio or PowerPoint. (1.5, 2.1,2.3,3.4)	0(0%)	22(100%)	0(0%)	0(0%)
<b>EDUC 491/492: Clinical practice</b> N=42	Interdisciplinary unit plan, videotaped lesson plan	ePortfolio, video recording, video editing, video analysis, ebooks, PowerPoint, Smartboard, website resources. (1.5, 2.1,2.3,3.4)	0(0%)	42(100%)	0(0%)	0(0%)

**Performance on Technology-Related Early Field and Clinical Activities, Fall '15-Spr '16**

<b>Couse Work</b>	<b>Learning Experience</b>	<b>Technology Integration and Proficiencies</b>	<b>Exemplary</b>	<b>Competent</b>	<b>Emerging</b>	<b>Unsatisfactory</b>
<b>Early Field/Clinical Practice</b>						
<b>EDUC 501: Shadowing Professionals</b> N=126	Educational Autobiography (ePortfolio Project)	ePortfolio, PowerPoint, video clips, Smartboard, Blackboard. (1.5, 2.1,2.3,3.4)	0(0%)	120(79%)	6(.04%)	0(0%)
<b>EDUC 502: Observation in Education</b> N=117	Group presentation	PowerPoint presentation tools and multimedia tools, videos & simulation materials	0(0%)	112(96%)	5(4%)	0(0%)
<b>EDUC 504: Technology in classroom</b> N=29	WebQuest, Assistive technology research, internet lesson plan, ePortfolio	Blackboard, web resources, multimedia tools, Microsoft Word or multi-media software, Hyperstudio or PowerPoint, ePortfolio technology, assistive	16(64%)	6(24%)	1(.04%)	6(24%)

		technology. (1.5, 2.1,2.3,3.4)				
<b>EDUC 505: Working with individual learners N=22</b>	Case study presentation; Resource guide	Blackboard, videoclips, laptops, iPads, PowerPoint. (1.5, 2.1,2.3,3.4)	0(0%)	22(100%)	0(0%)	0(0%)
<b>EDUC 506: Working with small group of learners N=19</b>	Memoir Project: PowerPoint presentation, family science fair, lesson plan on an era or event, in New York, based on American or Global history	PowerPoint presentation tools and multimedia tools, Video, Blackboard, distance learning. (1.5, 2.1,2.3,3.4)	19(100%)	0(0%)	0(0%)	0(0%)
<b>EDUC 507: Curriculum research and design N=41</b>	Projects to scaffold the development of a learning center psychological principles  Essays, applying theories to education-based scenarios.	Blackboard, web resources, multimedia tools, Microsoft Word or multi-media software, Hyperstudio or PowerPoint. (1.5, 2.1,2.3,3.4)	0(0%)	41(100%)	0(0%)	0(0%)
<b>EDUC 491/492: Clinical practice N=47</b>	Interdisciplinary unit plan, Videotaping a lesson	ePortfolio, video recording, video editing, video analysis, ebooks, PowerPoint, Smartboard, website resources. (1.5, 2.1,2.3,3.4)	0(0%)	47(100%)	0(0%)	0(0%)

**Performance on Technology-Related Early Field and Clinical Activities: Fall '16-Spr '17**

<b>Couse Work</b>	<b>Learning Experience</b>	<b>Technology Integration and Proficiencies</b>	<b>Exemplary</b>	<b>Competent</b>	<b>Emerging</b>	<b>Unsatisfactory</b>
<b>Early Field/Clinical Practice</b>						
<b>EDUC 501: Shadowing Professionals N=121</b>	Educational Autobiography (ePortfolio Project)	ePortfolio, PowerPoint, video clips, Smartboard, Blackboard (1.5, 2.1,2.3,3.4)	21(21%)	100(82%)	0(0%)	0(0%)

<b>EDUC 502: Observation in Education</b>  N=101	Group presentation	PowerPoint presentation tools and multimedia tools, videos & simulation materials (1.5, 2.1,2.3,3.4)	0(0%)	87(86%)	14(14%)	0(0%)
<b>EDUC 504: Technology in classroom</b>  N=79	Teaching WebQuest	Blackboard, webresources, multimedia tools, Microsoft Word or multi-media software, Hyperstudio or PowerPoint, assistive technology. (1.5, 2.1,2.3,3.4)	42(53%)	20(25%)	8(10%)	9(11%)
<b>EDUC 505: Working with individual learners</b>  N=35	Case-study presentation; Resource guide	Assistive technology tools, tablets, laptops, websites, videos. (1.5, 2.1,2.3,3.4)	0(0%)	35(100%)	0(0%)	0(0%)
<b>EDUC 506: Working with small group of learners</b>  N=34	Memoir Project: PowerPoint presentation	PowerPoint presentation tools and multimedia tools, Video, Blackboard	0 (0%)	34(100%)	0 (0%)	0 (0%)
<b>EDUC 507: Curriculum research and design</b>  N=14	WebQuest, Assistive technology research, internet lesson plan, ePortfolio	Blackboard, web resources, multimedia tools, Microsoft Word or multi-media software, Hyperstudio or PowerPoint. (1.5, 2.1,2.3,3.4)	0 (0%)	14(100%)	0 (0%)	0 (0%)
<b>EDUC 491/492: Clinical practice</b>  N=32	Interdisciplinary unit plan, videotaping a lesson	Blackboard, ePortfolio, videos, distance learning (1.5, 2.1,2.3,3.4)	0 (0%)	32(100%)	0 (0%)	0 (0%)

With regard to CAEP component 1.5 - modeling and applying technology standards, the following table provides some examples of performance data that shows candidates' engagement with technology and their ability to model and apply technology at each transition point - from the pre-professional level through to the professional level at Transition Point 3 of the EPP's progressive Assessment Plan. It should be noted that candidates who graduated in 2015 completed the Assessment WebQuest in previous years.

**Program Specific Outcomes on Webquest Assessment: CSE**

Year	N	Unsatisfactory	Emerging	Competent	Exemplary
2015 (Completed Assessment #3 in 2011)	12	0	2 17%	2 17%	8 66%
2016 (Completed Assessment #3 in 2012)	14	1 8%	2 14%	3 21%	8 57%
2017 (Completed Assessment #3 in 2013)	6	0	1 17%	3 50%	2 33%

**Program Specific Outcomes on Webquest Assessment: ECSE**

Year	N	Unsatisfactory	Emerging	Competent	Exemplary
2015 (Completed Assessment #3 in 2011)	4	0		1 25%	3 75%
2016 (Completed Assessment #3 in 2012)	8	1 12.5%	1 12.5%	2 25%	4 50%
2017 (Completed Assessment #3 in 2013)	7	0	2 29%	3 42%	2 29%
2018 (Completed Assessment #3 in 2014)	15	1 7%	2 13%	6 40%	6 40%

**Program Specific Outcomes on Webquest Assessment: CE**

Year	N	Unsatisfactory	Emerging	Competent	Exemplary
2015	0				
2016	1	0	1 100%	0	0
2017	0				
2018	2	0	0	0	2 100%