

## 2020-21 Associate of Science (AS) Plan and Analysis for Outcomes Assessment

Department: Arts & Humanities, Math, Science, Writing, Literature & Languages, Social Sciences

1. Outcome	2. Criteria or Target	3. Measurement Tool (course #, title, term)	4. When/how and by who analysis of assessment will be accomplished
Students who earn an AS degree can:			
<p>1. Communicate effectively using appropriate reading, writing, listening, and speaking skills. (<i>Communication</i>)</p>	<ul style="list-style-type: none"> <li>• 80% of students will earn a “C” or higher</li> <li>• 60% of students will earn a “B” or higher</li> </ul>	<p><b><u>Summer</u></b>            ART 230 Drawing I            ATH 103 Introduction to Cultural Anthropology            COMM 111 Public Speaking            GS 108 Physical Science (Oceanography)            HST 112 World History III: Early Modern to Present            HST 202 History of the United States 1840-1914            MTH111 College Algebra            MTH 243 Statistics I            PHL 201 Intro to Philosophy            PSY 201A Introduction to Psychology            PSY 215 Human Development            SOC 205 Social Change in Societies            WR 115 Introduction to Expository Writing            WR 121 English Composition            WR 122 English Composition            WR 227 Technical and Professional Writing</p> <p><b><u>Fall</u></b>            ART 230 Drawing I            ART 286 Watercolor I            ATH 101 Introduction to Physical Anthropology            BI 122 Intro Human Anat/Phys II            BI 211 Principles of Biology            BI 231 Human Anatomy &amp; Physiology I            BI 233 Human Anatomy &amp; Physiology</p>	<p>Analysis by general education departments will take place in Fall 2020 as part of the Gen Ed Program Review.</p>

		<p>III</p> <p>BI 234 Microbiology</p> <p>CH 121 General Chemistry I</p> <p>COMM 111 Public Speaking</p> <p>COMM 140 Introduction to Intercultural Communication</p> <p>EC 202 Prin Econ: Macroeconomics</p> <p>ESR 171 Environ Science: Bio Perspect</p> <p>GS 106 Physical Science (Geology)</p> <p>HST 110 World History I: Ancient to Medieval</p> <p>HST 201 History of the United States to 1840</p> <p>MTH111 College Algebra</p> <p>MTH 243 Statistics I</p> <p>MTH 251 Calculus</p> <p>PHL 202 Intro to Phil : Elementary Ethics</p> <p>PS 201 US Government I</p> <p>PSY 101 Psychology and Human Relations</p> <p>PSY 201A Introduction to Psychology - Part 1</p> <p>PSY 202A Introduction to Psychology - Part 2</p> <p>PSY 215 Human Development</p> <p>SOC 204 Sociology in Everyday Life</p> <p>SPA 101 First Year Spanish - First Term</p> <p>WR 115 Introduction to Expository Writing</p> <p>WR 121 English Composition</p> <p>WR 122 English Composition</p> <p>WR 227 Technical and Professional Writing</p> <p>WR 241 Creative Writing-Non Fiction</p> <p>WR 244 Advanced Creative Writing – Non Fiction</p> <p>WS 101 Women's Studies</p> <p><b><u>Winter</u></b></p> <p>ART 230 Drawing I</p> <p>ART 286 Watercolor I</p>	
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		<p>           ATH 103 Introduction to Cultural Anthropology            BI 101 Biology            BI 211 Principles of Biology            BI 212 Principles of Biology            BI 231 Human Anatomy &amp; Physiology I            BI 232 Human Anatomy &amp; Physiology II            CH 100 Everyday Chemistry with Lab            CH 122 General Chemistry II            COMM 111 Public Speaking            COMM 237 Gender and Communication            EC 201 Prin Econ: Microeconomics – M            ENG 253 Survey of American Literature to 1865            ESR 172 Environmental Science: Chemical Perspectives            GS 109 Physical Science (Meteorology)            HST 111 World History II: Medieval to Modern            HST 202 History of the United States 1840-1914            MTH 105 Math in Society            MTH111 College Algebra            MTH 112 Elementary Functions            MTH 243 Statistics I            MTH 252 Calculus II            MUS 108 Music Cultures of the World            PHL 202 Intro to Phil : Elementary Ethics            PS 202 US Government II            PSY 201A Introduction to Psychology - Part 1            PSY 202A Introduction to Psychology - Part 2            PSY 215 Human Development            SOC 205 Social Change in Societies            SPA 102 First Year Spanish - Second Term         </p>	
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		<p>WR 115 Introduction to Expository Writing  WR 121 English Composition  WR 122 English Composition  WR 227 Technical and Professional Writing  WGS 201 Women of the World</p> <p><b>Spring</b></p> <p>ART 102 Understanding the Visual Arts  ART 230 Drawing I  ART 252 Ceramics I  ART 255 Ceramics II  ART 286 Watercolor I  ATH 102 Intro to Archaeology and Prehistory  BI 101 Biology  BI 122 Intro Human Anat/Phys II  BI 211 Principles of Biology  BI 232 Human Anatomy &amp; Physiology II  BI 233 Human Anatomy &amp; Physiology III  BI 234 Microbiology  CH 122 General Chemistry II  CH 123 General Chemistry III  COMM 111 Public Speaking  COMM 214 Interpersonal Communications: Process &amp; Theory  EC 202 Prin Econ: Macroeconomics  ENG 106 Intro to Literature - Poetry  ENG 254 Survey of American Literature from 1865 to Present  ESR 173 Environ Science: Geolog Perspec  GS 108 Physical Science (Oceanography)  HST 112 World History III: Early Modern to Present  HST 201 History of the United States to 1840  HST 203 History of the US 1914 to</p>	
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		<p>Present</p> <p>HST 270 History of Mexico</p> <p>MTH111 College Algebra</p> <p>MTH 112 Elementary Functions</p> <p>MTH 244 Statistics II</p> <p>MTH 251 Calculus I</p> <p>MTH 253 Calculus III</p> <p>PHL 202 Intro to Philosophy: Elementary Ethics</p> <p>PSY 202A Introduction to Psychology - Part 2</p> <p>PSY 215 Human Development</p> <p>PSY 239 Intro. To Abnormal Psychology</p> <p>SOC 204 Sociology in Everyday Life</p> <p>SOC 206 Social Problems</p> <p>SPA 103 First Year Spanish - Third Term</p> <p>WR 115 Introduction to Expository Writing</p> <p>WR 121 English Composition</p> <p>WR 122 English Composition</p> <p>WR 227 Technical and Professional Writing</p> <p>WR 242 Creative Writing Poetry</p> <p>WS 202 Activism and Social Change</p>	
<p>2. Creatively solve problems by using relevant methods of scientific research, quantitative/symbolic reasoning, data analysis, and evaluation of information. <i>(Critical Thinking &amp; Problem-Solving)</i></p>	<ul style="list-style-type: none"> <li>• 80% of students will earn a "C" or higher</li> <li>• 60% of students will earn a "B" or higher</li> </ul>	<p><b>Summer</b></p> <p>ART 230 Drawing I</p> <p>ATH 103 Introduction to Cultural Anthropology</p> <p>COMM 111 Public Speaking</p> <p>GS 108 Physical Science (Oceanography)</p> <p>HST 112 World History III: Early Modern to Present</p> <p>HST 202 History of the United States 1840-1914</p> <p>MTH111 College Algebra</p> <p>MTH 243 Statistics I</p> <p>PHL 201 Intro to Philosophy</p> <p>PSY 201A Introduction to Psychology</p>	<p>Analysis by general education departments will take place in Fall 2020 as part of the Gen Ed Program Review.</p>

		<p>PSY 215 Human Development  SOC 205 Social Change in Societies  WR 115 Introduction to Expository Writing  WR 121 English Composition  WR 122 English Composition  WR 227 Technical and Professional Writing</p> <p><b>Fall</b></p> <p>ART 230 Drawing I  ART 286 Watercolor I  ATH 101 Introduction to Physical Anthropology  BI 122 Intro Human Anat/Phys II  BI 231 Human Anatomy &amp; Physiology I  BI 233 Human Anatomy &amp; Physiology III  BI 234 Microbiology  CH 121 General Chemistry I  COMM 111 Public Speaking  COMM 140 Introduction to Intercultural Communication  EC 202 Prin Econ: Macroeconomics – M  ESR 171 Environ Science: Bio Perspect  GS 106 Physical Science (Geology)  HST 110 World History I: Ancient to Medieval  HST 201 History of the United States to 1840  MTH111 College Algebra  MTH 243 Statistics I  MTH 251 Calculus  PHL 202 Intro to Philosophy: Elementary Ethics  PS 201 US Government I  PSY 101 Psychology and Human Relations  PSY 201A Introduction to Psychology - Part 1  PSY 202A Introduction to Psychology -</p>	
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		<p>Part 2          PSY 215 Human Development          SOC 204 Sociology in Everyday Life          SPA 101 First Year Spanish - First Term          WR 115 Introduction to Expository Writing          WR 121 English Composition          WR 122 English Composition          WR 227 Technical and Professional Writing          WR 241 Creative Writing-Non Fiction          WR 244 Advanced Creative Writing – Non Fiction          WS 101 Women's Studies</p> <p><b><u>Winter</u></b>          ART 230 Drawing I          ART 286 Watercolor I          ATH 103 Introduction to Cultural Anthropology          BI 101 Biology          BI 211 Principles of Biology          BI 212 Principles of Biology          BI 231 Human Anatomy &amp; Physiology I          BI 232 Human Anatomy &amp; Physiology II          CH 100 Everyday Chemistry with Lab          CH 122 General Chemistry II          COMM 111 Public Speaking          COMM 237 Gender and Communication          EC 201 Prin Econ: Microeconomics – M          ENG 253 Survey of American Literature to 1865          ESR 172 Environmental Science: Chemical Perspectives          GS 109 Physical Science (Meteorology)          HST 111 World History II: Medieval to Modern</p>	
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		<p>HST 202 History of the United States 1840-1914  MTH 105 Math in Society  MTH111 College Algebra  MTH 112 Elementary Functions  MTH 243 Statistics I  MTH 252 Calculus II  MUS 108 Music Cultures of the World  PHL 202 Intro to Philosophy: Elementary Ethics  PS 202 US Government II  PSY 201A Introduction to Psychology - Part 1  PSY 202A Introduction to Psychology - Part 2  PSY 215 Human Development  SOC 205 Social Change in Societies  SPA 102 First Year Spanish - Second Term  WR 115 Introduction to Expository Writing  WR 121 English Composition  WR 122 English Composition  WR 227 Technical and Professional Writing  WGS 201 Women of the World</p> <p><b><u>Spring</u></b>  ART 102 Understanding the Visual Arts  ART 230 Drawing I  ART 252 Ceramics I  ART 255 Ceramics II  ART 286 Watercolor I  ATH 102 Intro to Archaeology and Prehistory  BI 101 Biology  BI 122 Intro Human Anat/Phys II  BI 211 Principles of Biology  BI 232 Human Anatomy &amp; Physiology II  BI 233 Human Anatomy &amp; Physiology III</p>	
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		BI 234 Microbiology CH 122 General Chemistry II CH 123 General Chemistry III COMM 111 Public Speaking COMM 214 Interpersonal Communications: Process & Theory EC 202 Prin Econ: Macroeconomics ENG 106 Intro to Literature - Poetry ENG 254 Survey of American Literature from 1865 to Present ESR 173 Environ Science: Geolog Perspec GS 108 Physical Science (Oceanography) HST 112 World History III: Early Modern to Present HST 201 History of the United States to 1840 HST 203 History of the US 1914 to Present HST 270 History of Mexico MTH111 College Algebra MTH 112 Elementary Functions MTH 244 Statistics II MTH 251 Calculus I MTH 253 Calculus III PHL 202 Intro to Philosophy: Elementary Ethics PSY 202A Introduction to Psychology - Part 2 PSY 215 Human Development PSY 239 Intro. To Abnormal Psychology SOC 204 Sociology in Everyday Life SOC 206 Social Problems SPA 103 First Year Spanish - Third Term WR 115 Introduction to Expository Writing WR 121 English Composition WR 122 English Composition WR 227 Technical and Professional Writing	
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		WR 242 Creative Writing Poetry WS 202 Activism and Social Change	
3. Extract, interpret, evaluate, communicate, and apply quantitative information and methods to solve problems, evaluate claims, and support decisions in their academic, professional and private lives. ( <i>Quantitative Literacy</i> )	<ul style="list-style-type: none"> <li>• 80% of students will earn a "C" or higher</li> <li>• 60% of students will earn a "B" or higher</li> </ul>	<p><b><u>Summer</u></b>          GS 108 Physical Science (Oceanography) – M          MTH111 College Algebra- M          MTH 243 Statistics I- M</p> <p><b><u>Fall</u></b>          BI 121 Introduction to Human Anatomy &amp; Physiology I- M          BI 122 Intro Human Anat/Phys II- M          BI 231 Human Anatomy &amp; Physiology I - m          BI 233 Human Anatomy &amp; Physiology III- m          BI 234 Microbiology- M          CH 121 General Chemistry I- M          ESR 171 Environ Science: Bio Perspect- M          GS 106 Physical Science (Geology) - M          MTH111 College Algebra- M          MTH 243 Statistics I- M          MTH 251 Calculus I- M          PS 201 US Government I- m</p> <p><b><u>Winter</u></b>          BI 101 Biology- M          BI 211 Principles of Biology- M          BI 212 Principles of Biology- M          BI 231 Human Anatomy &amp; Physiology I - m          BI 232 Human Anatomy &amp; Physiology II- m          CH 100 Everyday Chemistry with Lab- m          CH 122 General Chemistry II- M          EC 201 Prin Econ: Microeconomics – M          ESR 172 Environmental Science: Chemical Perspectives- M          GS 109 Physical Science</p>	Analysis by general education departments will take place in Fall 2020 as part of the Gen Ed Program Review.

		<p>(Meteorology) – M  MTH 105 Math in Society - M  MTH111 College Algebra- M  MTH 112 Elementary Functions -M  MTH 243 Statistics I- M  MTH 252 Calculus II- M  PS 202 US Government II- m</p> <p><b>Spring</b>  BI 101 Biology- M  BI 122 Intro Human Anat/Phys II- M  BI 211 Principles of Biology- M  BI 232 Human Anatomy &amp; Physiology II- m  BI 234 Microbiology- M  CH 122 General Chemistry II- M  CH 123 General Chemistry III- M  EC 202 Principles of Economics: Macroeconomics- M  ESR 173 Environ Science: Geolog Perspec- M  GS 108 Physical Science (Oceanography) - M  MTH111 College Algebra- M  MTH 112 Elementary Functions- M  MTH 243 Statistics I- M  MTH 251 Calculus I-M  MTH 253 Calculus III- M</p>	
<p>4. Appreciate cultural diversity and constructively address issues that arise out of cultural differences in the workplace and community. <i>(Cultural Awareness)</i></p>	<ul style="list-style-type: none"> <li>• 80% of students will earn a “C” or higher</li> <li>• 60% of students will earn a “B” or higher</li> </ul>	<p><b>Summer</b>  ART 230 Drawing I - m  ATH 103 Introduction to Cultural Anthropology -M  COMM 111 Public Speaking -m  GS 108 Physical Science (Oceanography) - m  HST 112 World History III: Early Modern to Present –M  PHL 201 Intro to Philosophy – M  PSY 201A Introduction to Psychology - Part 1 -M  PSY 215 Human Development - m  SOC 205 Social Change in Societies -</p>	<p>Analysis by general education departments will take place in Fall 2020 as part of the Gen Ed Program Review</p>

		<p>M</p> <p><b><u>Fall</u></b>  ART 230 Drawing I - m  ART 286 Watercolor I - m  ATH 101 Introduction to Physical Anthropology -M  BI 122 Intro Human Anat/Phys II -m  BI 234 Microbiology - m  CH 121 General Chemistry I -m  COMM 111 Public Speaking -m  COMM 140 Introduction to Intercultural Communication -M  EC 202 Prin Econ: Macroeconomics – M  ESR 171 Environ Science: Bio Perspect - m  GS 106 Physical Science (Geology) - m  HST 110 World History I: Ancient to Medieval -M  HST 201 History of the United States to 1840 – M  HST 202 History of the United States 1840-1914 -M  PHL 202 Intro to Philosophy: Ethics - M  PS 201 US Government I – M  PSY 101 Psychology and Human Relations - m  PSY 201A Introduction to Psychology - Part 1 -M  PSY 202A -Introduction to Psychology - Part 2 -M  PSY 215 Human Development - m  SOC 204 Sociology in Everyday Life - M  SPA 101 First Year Spanish - First Term - M  WGS 101 Women's Studies – M</p> <p><b><u>Winter</u></b>  ART 230 Drawing I - m  ART 286 Watercolor I – m</p>	
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		<p>ATH 103 Introduction to Cultural Anthropology -M  COMM 111 Public Speaking -m  COMM 237 Gender and Communication - M  EC 201 Prin Econ: Microeconomics – m  ENG 253 Survey of American Literature to 1865 - M  ESR 172 Environmental Science: Chemical Perspectives -m  GS 109 Physical Science (Meteorology) –m  HST 111 World History II: Medieval to Modern - M  HST 202 History of the United States 1840-1914 –M  MUS 108 Music Cultures of the World -M  PHL 202 Intro to Philosophy: Ethics - M  PS 202 US Government II -M  PSY 201A Introduction to Psychology - Part 1 -M  PSY 202A -Introduction to Psychology - Part 2 -M  PSY 215 Human Development - m  SOC 205 Social Change in Societies - M  SPA 102 First Year Spanish - Second Term - M  WGS 201 Women of the World - M</p> <p><b><u>Spring</u></b>  ART 102 Understanding the Visual Arts - M  ART 230 Drawing I - m  ART 252 Ceramics I - m  ART 255 Ceramics II - m  ART 286 Watercolor I – m  ATH 102 Intro to Archaeology and Prehistory -M  BI 234 Microbiology - m</p>	
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		<p>COMM 111 Public Speaking -m  COMM 214 Interpersonal Communications: Process &amp; Theory - m  EC 202 Prin Econ: Macroeconomics - m  ENG 254 Survey of American Literature from 1865 to Present - M  ESR 173 Environ Science: Geolog Perspec - m  GS 108 Physical Science (Oceanography) - m  HST 112 World History III: Early Modern to Present -M  HST 201 History of the United States to 1840 - M  HST 203 History of the US 1914 to Present -M  HST 270 History of Mexico -M  PHL 202 Intro to Philosophy: Elementary Ethics –M  PS 203 State and Local Politics -M  PSY 202A -Introduction to Psychology - Part 2 -M  PSY 215 Human Development - m  PSY 239 Introduction to Abnormal Psychology – m  SOC 204 Sociology in Everyday Life - M  SOC 206 Social Problems - M  SPA 103 First Year Spanish - Third Term - M  WGS 202 Activism and Social Change –M</p>	
<p>5. Recognize the consequences of human activity upon our social and natural world. <i>(Community and Environmental Responsibility)</i></p>	<ul style="list-style-type: none"> <li>• 80% of students will earn a “C” or higher</li> <li>• 60% of students will earn a “B” or</li> </ul>	<p><b>Summer</b>  ATH 103 Introduction to Cultural Anthropology - M  GS 108 Physical Science (Oceanography) - m  HST 112 World History III: Early Modern to Present - M</p>	<p>Analysis by general education departments will take place in Fall 2020 as part of the Gen Ed Program Review.</p>

	higher	<p>MTH111 College Algebra- M  MTH 243 Statistics I- m  PHL 201 Intro to Philosophy - M</p> <p><b>Fall</b></p> <p>ART 286 Watercolor I - m  ATH 101 Introduction to Physical Anthropology - M  BI 122 Intro Human Anat/Phys II - m  BI 211 Principles of Biology - m  BI 234 Microbiology - M  CH 121 General Chemistry I - M  EC 202 Prin Econ: Macroeconomics – M  ESR 171 Environ Science: Bio Perspect - M  GS 106 Physical Science (Geology) - m  HST 110 World History I: Ancient to Medieval – M  HST 201 History of the United States to 1840 – M  HST 202 History of the United States 1840-1914 - M  MTH111 College Algebra - m  MTH 243 Statistics I - M  MTH 251 Calculus I - m  PHL 202 Intro to Philosophy: Ethics - M  PS 201 US Government I - M  PSY 201A Introduction to Psychology - Part 1 - m  PSY 202A -Introduction to Psychology - Part 2  PSY 215 Human Development - M  SOC 204 Sociology in Everyday Life - M  WGS 101 Women's Studies - M</p> <p><b>Winter</b></p> <p>ART 286 Watercolor I – m  ATH 103 Introduction to Cultural</p>	
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		<p>           Anthropology - M            BI 101 Biology – M            BI 211 Principles of Biology - m            BI 212 Principles of Biology - m            CH 100 Everyday Chemistry with Lab - M            CH 122 General Chemistry II - M            COMM 237 Gender and Communication - m            EC 201 Prin Econ: Microeconomics - M            ENG 253 Survey of American Literature to 1865 - M            ESR 172 Environmental Science: Chemical Perspectives - M            GS 109 Physical Science (Meteorology) – m            HST 111 World History II: Medieval to Modern - M            HST 202 History of the United States 1840-1914 – M            HST 203 History of the US 1914 to Present - M            MTH 105 Math in Society - M            MTH111 College Algebra - m            MTH 112 Elementary Functions -m            MTH 243 Statistics I - M            MTH 252 Calculus II - m            MUS 108 Music Cultures of the World - m            PHL 202 Intro to Philosophy: Ethics - M            PS 202 US Government II – M            PSY 201A Introduction to Psychology - Part 1 - m            PSY 202A -Introduction to Psychology - Part 2            PSY 214 Intro to Personality - m            PSY 215 Human Development - M            SOC 205 Social Change in Societies – M            WGS 201 Women of the World - M         </p>	
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		<p><b>Spring</b></p> <p>ART 102 Understanding the Visual Arts</p> <p>ART 286 Watercolor I – m</p> <p>ATH 102 Intro to Archaeology and Prehistory - M</p> <p>BI 101 Biology - M</p> <p>BI 122 Intro Human Anat/Phys II - m</p> <p>BI 211 Principles of Biology - m</p> <p>BI 234 Microbiology - M</p> <p>CH 122 General Chemistry II - M</p> <p>CH 123 General Chemistry III - M</p> <p>EC 202 Prin Econ: Macroeconomics - M</p> <p>ENG 254 Survey of American Literature from 1865 to Present - M</p> <p>ESR 173 Environ Science: Geolog Perspec - M</p> <p>GS 108 Physical Science (Oceanography) - m</p> <p>HST 112 World History III: Early Modern to Present - M</p> <p>HST 203 History of the US 1914 to Present - M</p> <p>HST 270 History of Mexico - M</p> <p>MTH 111 College Algebra - m</p> <p>MTH 112 Elementary Functions - m</p> <p>MTH 244 Statistics II – M</p> <p>MTH 251 Calculus I-m</p> <p>MTH 253 Calculus III – m</p> <p>PHL 202 Intro to Philosophy: Elementary Ethics - M</p> <p>PSY 202A -Introduction to Psychology - Part 2</p> <p>PSY 215 Human Development – M</p> <p>PSY 239 Introduction to Abnormal Psychology – m</p> <p>WGS 202 Activism and Social Change – M</p>	
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Plans to be submitted to Academic Assessment Coordinator ([kkane@cgcc.edu](mailto:kkane@cgcc.edu)) by Nov 15 of academic year being assessed