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Gateway Community College
General Education Courses by Category
 Effective Fall 2022

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Courses for **Written Communication II:**

Course:	Credits:
ENG 102 Literature and Composition	3
ENG 200 Advanced Composition	3

Courses for **Quantitative Reasoning:**

Please check with your advisor before selecting a course.

Course:	Credits:
MAT 142 Math for the Natural Sciences	3
MAT 143 Math for Elementary Education	3
MAT 144 Mathematics for Elementary Education: Geometry and Data	3
MAT 146 Math for the Liberal Arts	3
MAT 151 Mathematics for Finance	3
MAT 158 Functions, Graphs, & Matrices	3
MAT 166 Principles of Business Statistics	3
MAT 167 Statistics	3
MAT 172 College Algebra	3
MAT 175 College Algebra and Trigonometry	3
MAT 185 Trigonometric Functions	3
MAT 186 Pre-calculus	4
MAT 230 Applied Calculus with a Modeling Approach	3
MAT 254 Calculus I	4
MAT 256 Calculus II	4

MAT 268 Calculus III	4
MAT 272 Linear Algebra	3
MAT 285 Differential Equations	4

Courses for **Scientific Reasoning:**

You must take one laboratory science course from either the Scientific Reasoning or the Scientific Knowledge category.

Course:	Credits:
BIO 105 Introduction to Biology (Lab)	4
BIO 115 Human Biology (Lab)	4
BIO 121 General Biology I (Lab)	4
BIO 122 General Biology II (Lab)	4
BIO 211 Anatomy & Physiology I (Lab)	4
BIO 212 Anatomy & Physiology II (Lab)	4
BIO 213 Human Cadaver Anatomy (Lab)	4
BIO 235 Microbiology (Lab)	4
CHE 111 Concepts of Chemistry (Lab)	4
CHE 121 General Chemistry I (Lab)	4
CHE 122 General Chemistry II (Lab)	4
CHE 220 Biochemistry (Lab)	4
CHE 231 Quantitative Chemical Analysis with Environmental Applications (Lab)	4
EAS 110 The Earth Sciences (Lab)	4
EVS 114 Environmental Science (Lab)	4
PHY 109 Fundamentals of Applied Sciences (Lab)	4
PHY 111 Physics for the Life Sciences (Lab)	4
PHY 121 General Physics I (Lab)	4
PHY 122 General Physics II (Lab)	4
PHY 221 Calculus-Based Physics I (Lab)	4
PHY 222 Calculus-Based Physics II (Lab)	4

Courses for **Scientific Knowledge and Understanding:**

You must take one laboratory science course from either the Scientific Reasoning or the Scientific Knowledge category.

Course:	Credits:
BIO 100 Basic Biology	3
BIO 105 Introduction to Biology	3
BIO 110 Principles of the Human Body	3
BIO 113 Physiology of Aging	3
BIO 115 Human Biology (Lab)	4
BIO 121 General Biology I (Lab)	4
BIO 122 General Biology II (Lab)	4
BIO 211 Anatomy & Physiology I (Lab)	4
BIO 212 Anatomy & Physiology II (Lab)	4
BIO 213 Human Cadaver Anatomy (Lab)	4
BIO 235 Microbiology (Lab)	4
CHE 101 Introductory Chemistry	3
CHE 111 Concepts of Chemistry (Lab)	4
CHE 121 General Chemistry I (Lab)	4
CHE 122 General Chemistry II (Lab)	4
CHE 211 Organic Chemistry I (Lab)	4
CHE 212 Organic Chemistry II (Lab)	4
CHE 220 Biochemistry (Lab)	4
CHE 231 Quantitative Chemical Analysis	4

with Environmental Applications (Lab)	
EAS 102 Earth Science	3
EAS 106 Natural Disasters	3
EAS 110 The Earth Sciences (Lab)	4
EVS 100 Introduction to Environmental Science	3
EVS 114 Environmental Science (Lab)	4
EVS 200 Toxicology	3
EVS 296 Environmental Science and Toxicology Internship	4
PHY 101 Physics for Today	3
PHY 109 Fundamentals of Applied Physics (Lab)	4
PHY 111 Physics for the Life Sciences (Lab)	4
PHY 121 General Physics I (Lab)	4
PHY 122 General Physics II (Lab)	4
PHY 221 Calculus-Based Physics I (Lab)	4
PHY 222 Calculus-Based Physics II (Lab)	4

Courses for **Historical Knowledge and Understanding:**

Course:	Credits:
HIS 101 Western Civilization I	3
HIS 102 Western Civilization II	3
HIS 201 U.S. History I	3
HIS 202 U.S. History II	3

Courses for **Social Phenomena:**

Course:	Credits:
ANT 105 Anthropology	3
ECN 102 Microeconomics	3
ECN 101 Macroeconomics	3
PSY 111 General Psychology I	3
SOC 101 Principles of Sociology	3

Courses for **Aesthetic Dimensions:**

Course:	Credits:
ART 101 Art History I	3
ART 102 Art History II	3
ENG 271 Film & Literature	3
MUS 101 Music History and Appreciation I	3
MUS 141 Guitar	

Courses for **Oral Communication:**

Course:	Credits:
BBG 210 Business Communication	3
COM 171 Human Communication	3
HSE 212 Mediation	3

Courses for **Critical Analysis and Logical Thinking:**

Course:	Credits:
BES 218 Entrepreneurship	3
BFN 110 Personal Finance	3
BME 212 Biomedical Equipment Design	3
ENG 221 American Literature I	3
ENG 222 American Literature II	3
ENG 231 British Literature I	3
ENG 232 British Literature II	3
ENG 245 Early Western Literature	3
ENG 246 Modern Western Literature	3
ENG 254 Modern Arabic Literature	3
EXS 227 Exercise Testing & Program Design	3
HUM 125 Introduction to Peace and Conflict	3
IDS 106 Critical Thinking: Business	3
IDS 112 Career Seminar & Internship	3
NTR 214 Nutrition Internship III	3
PHL 101 Introduction to Philosophy	3
PHL 111 Ethics	3

Courses for **Additional General Education I: Creativity**

Course:	Credits:
ART 109 Color Theory	3
ART 111 Drawing I	3
ART 131 Sculpture I	3
ART 141 Photography I	3
ART 176 Digital Video I	3
ENG 281 Creative Writing	3
GRA 149 Introduction to Adobe Creative Suite	3
GRA 151 Graphic Design I	3
MUS 141 Guitar I	3
MUS 150 Piano I	3

Courses for **Additional General Education II: Global Knowledge**

Course:	Credits:
ANT 105 Introduction to Cultural Anthropology	3
ECN 101 Principles of Macroeconomics	3
ECN 102 Principles of Microeconomics	3
GEO 101 Introduction to Geography	3
HUM 125 Introduction to Peace & Conflict Studies	3
POL 102 Comparative Politics	3