



### Pre-Requisites, Co-Requisites, and Recommendations (grade C or better required)

Where requirements are listed as course categories (e.g. Electives, Arts/Humanities) rather than as specific courses, please note that depending upon course choice, pre-requisites may be required.

ENG 122 - English Composition II: GT-CO2

- Pre-Requisite: ENG 121 - English Composition I OR ENG 131 - Technical Writing I

### Notes

- \*This course requires college level readiness as measured by Accuplacer, ACT, or SAT scores; approved high school course work that is less than five years old; or successful completion of appropriate college-readiness course.
- AAA 101 – College 101: Student Experience is required for all new college students seeking degrees or transfer.
- Course availability is subject to change.
- Electives: Select any Guaranteed Transfer course or any of the following (excluding Special Topics, Independent Study, Capstone, and Internships): AAA 101, AAA 109, AST (100 or higher), BIO (100 or higher), CHE (100 or higher), CIS 118, CSC 119, CSC 126, CSC 160, CSC 161, CSC 165, CSC 200, CSC 225, CSC 233, CSC 236, CSC 240, EGG (100 or higher), any Foreign Language courses (including ASL) numbered 111 or higher, HNR 100, HNR 289, HWE 100, HWE 111, HWE 125, MAT 121 (or higher, except 155 / 156), or PHY 111 (or higher).
- Follow the Recommended Course Sequence on the following pages of this document.
- Natural / Physical Science Courses: Two Natural/Physical Science w/ Lab courses must be from a two lab course sequence. Recommend: AST 101 / AST 102, or BIO 111 / BIO 112, or CHE 111 / CHE 112, or PHY 111 / PHY 112.
- Recommended courses may be listed above for certain electives; consult with the Academic Advising Office (advising@arapahoe.edu or 303.797.5664) for additional elective recommendations. Some electives have prerequisites.
- Refer to 19/20 catalog for specific requirements and important information about this degree.

### Graduation Requirements

- All courses required for this degree must be completed with a "C" or better to meet graduation requirements.
- To graduate, students must apply for graduation (form available at [www.arapahoe.edu/departments-and-programs/graduation](http://www.arapahoe.edu/departments-and-programs/graduation)) by the deadline and meet all degree requirements.

RECOMMENDED COURSE SEQUENCE FULL-TIME TRACK

Year 1: Fall	Credits	Course
	3	Arts / Humanities GT-AH1-AH4 ~Recommended Arts / Humanities Course(s)~ HUM 115 - World Mythology: GT-AH2* HUM 121 - Humanities: Early Civilization : GT-AH2* HUM 122 - Humanities: Medieval-- Modern: GT-AH2* HUM 123 - Humanities: Modern World: GT-AH2* LIT 115 - Introduction to Literature I: GT-AH2* SPA 211 - Spanish Language III: GT-AH4
	3	COM 115 - Public Speaking OR COM 125 Interpersonal Communication OR COM 220 Intercultural Communication
	3	Elective ~Recommended Elective(s)~ AST 101 - Astronomy with Lab: Planetary Systems: GT-SC1* CSC 119 - Introduction to Programming EGG 102 - Introduction to Engineering Methodologies ENV 101 - Environmental Science with Lab: GT-SC1* HWE 100 - Human Nutrition
	3	ENG 121 - English Composition I: GT-CO1
	3-5	Mathematics Course MAT 121 - College Algebra: GT-MA1* MAT 122 - College Trigonometry: GT-MA1 MAT 166 - Pre-Calculus: GT-MA1 MAT 201 - Calculus I: GT-MA1
Year 1: Spring	Credits	Course
	3	Elective ~Recommended Elective(s)~ MAT 122 - College Trigonometry: GT-MA1 MAT 135 - Introduction to Statistics: GT-MA1* MAT 166 - Pre-Calculus: GT-MA1 MAT 201 - Calculus I: GT-MA1 MAT 202 - Calculus II: GT-MA1 MET 150 - General Meteorology with Lab: GT-SC1*
	3	Elective AST 102 - Stellar Astronomy with Lab: Stars and Galaxies: GT-SC1* BIO 104 - Biology: A Human Approach: GT-SC1 CSC 225 - Computer Architecture/Assembly Language Programming GEY 111 - Physical Geology w/Lab: GT-SC1* GEY 112 - Historical Geology with Lab: GT: SC1*
	3	ENG 122 - English Composition II: GT-CO2

60 Credits

- 4 Natural / Physical Science with Lab GT-SC1  
~Recommended Natural / Physical Science Course(s)~  
AST 101 - Astronomy with Lab: Planetary Systems: GT-SC1\*  
BIO 104 - Biology: A Human Approach: GT-SC1  
BIO 105 - Science of Biology with Lab: GT-SC1\*  
BIO 111 - General College Biology I with Lab: GT-SC1\*  
CHE 101 - Introduction to Chemistry I with Lab: GT-SC1\*  
GEO 111 - Physical Geography: Landforms with Lab: GT-SC1\*  
PHY 111 - Physics: Algebra-Based I with Lab: GT-SC1\*

Year 2: Fall

Credits

Course

- 3 Arts / Humanities GT-AH1-AH4  
~Recommended Arts / Humanities Course(s)~  
ART 110 - Art Appreciation GT-AH1\*  
MUS 120 - Music Appreciation: GT-AH1\*  
PHI 111 - Introduction to Philosophy: GT-AH3\*  
PHI 112 - Ethics: GT-AH3\*  
PHI 113 - Logic: GT-AH3\*  
PHI 114 - Comparative Religions: GT-AH3\*  
PHI 218 - Environmental Ethics: GT-AH3\*
- 3 Elective  
~Recommended Elective(s)~  
AST 155 - Astronomy of Ancient Cultures: SC2\*  
BIO 103 - Principles of Animal Biology: GT-SC2\*  
CSC 160 - Computer Science I: Java\*  
ECO 245 - Environmental Economics  
ENV 110 - Natural Disasters: GT-SC2\*  
GEO 112 - Physical Geography - Weather and Climate with Lab: GT-SC1\*  
HWE 100 - Human Nutrition
- 3 History GT-HI1  
~Recommended History Course(s)~  
HIS 101 - Western Civilization: Antiquity-1650: GT-HI1\*  
HIS 102 - Western Civilization: 1650-Present: GT-HI1\*  
HIS 111 - The World: Antiquity-1500: GT-HI1\*  
HIS 112 - The World: 1500-Present: GT-HI1\*  
HIS 121 - U.S. History to Reconstruction\*  
HIS 225 - Colorado History: GT-HI1\*  
HIS 247 - 20th Century World History: GT-HI1\*
- 4 Natural / Physical Science with Lab GT-SC1  
~Recommended Natural / Physical Science Course(s)~  
AST 101 - Astronomy with Lab: Planetary Systems: GT-SC1\*  
BIO 111 - General College Biology I with Lab: GT-SC1\*  
BIO 201 - Human Anatomy and Physiology I with Lab: GT-SC1\*  
CHE 111 - General College Chemistry I with Lab: GT-SC1\*  
GEY 111 - Physical Geology w/Lab: GT-SC1\*  
PHY 111 - Physics: Algebra-Based I with Lab: GT-SC1\*  
PHY 211 - Physics: Calculus-Based I with Lab: GT-SC1\*

- 3 Social / Behavioral Science GT-SS1-SS3  
~Recommended Social / Behavioral Science Course(s)~  
ANT 101 - Cultural Anthropology: GT-SS3\*  
ECO 202 - Principles of Microeconomics: GT-SS1\*  
GEO 106 - Human Geography: GT-SS2\*  
JOU 105 - Introduction to Mass Media: GT-SS3\*  
POS 111 - American Government: GT-SS1\*  
PSY 235 - Human Growth and Development: GT-SS3\*  
SOC 101 - Introduction to Sociology I: GT-SS3\*

**Year 2: Spring**

**Credits**

**Course**

- 3 Elective  
~Recommended Elective(s)~  
BIO 202 - Human Anatomy and Physiology II with Lab: GT-SC1  
CHE 211 - Organic Chemistry I with Lab  
ENV 101 - Environmental Science with Lab: GT-SC1\*  
GEY 111 - Physical Geology w/Lab: GT-SC1\*  
MAT 202 - Calculus II: GT-MA1  
MET 150 - General Meteorology with Lab: GT-SC1\*  
PHY 212 - Physics: Calculus-Based II with Lab: GT-SC1\*
- 3 Elective  
~Recommended Elective(s)~  
BIO 104 - Biology: A Human Approach: GT-SC1  
BIO 204 - Microbiology with Lab: GT-SC1\*  
ENV 101 - Environmental Science with Lab: GT-SC1\*  
MET 150 - General Meteorology with Lab: GT-SC1\*
- 3 Elective  
~Recommended Elective(s)~  
CHE 211 - Organic Chemistry I with Lab  
CSC 161 - Computer Science II: Java  
EGG 211 - Engr Mechanics I - Statics  
MAT 203 - Calculus III: GT-MA1  
MAT 204 - Calculus III with Engineering Applications: GT-MA1
- 4 Natural / Physical Science with Lab GT-SC1  
~Recommended Natural / Physical Science Course(s)~  
AST 102 - Stellar Astronomy with Lab: Stars and Galaxies: GT-SC1\*  
BIO 112 - General College Biology II with Lab: GT-SC1\*  
BIO 202 - Human Anatomy and Physiology II with Lab: GT-SC1  
CHE 112 - General College Chemistry II with Lab: GT-SC1\*  
GEY 112 - Historical Geology with Lab: GT: SC1\*  
PHY 112 - Physics: Algebra-Based II with Lab: GT-SC1\*  
PHY 212 - Physics: Calculus-Based II with Lab: GT-SC1\*
- 3 Social / Behavioral Science GT-SS1-SS3  
~Recommended Social / Behavioral Science Course(s)~  
COM 220 - Intercultural Communication: GT-SS3\*  
ECO 201 - Principles of Macroeconomics: GT-SS1\*  
GEO 105 - World Regional Geography: GT-SS2\*  
PSY 101 - General Psychology I: GT-SS3\*  
SOC 220 - Sociology of Religion: GT-SS3\*  
SOC 231 - The Sociology of Deviant Behavior: GT-SS3\*

RECOMMENDED COURSE SEQUENCE PART-TIME TRACK

Year 1: Fall	Credits	Course
	3	Arts / Humanities GT-AH1-AH4 ~Recommended Arts / Humanities Course(s)~ HUM 115 - World Mythology: GT-AH2* HUM 121 - Humanities: Early Civilization : GT-AH2* HUM 122 - Humanities: Medieval-- Modern: GT-AH2* HUM 123 - Humanities: Modern World: GT-AH2* LIT 115 - Introduction to Literature I: GT-AH2* SPA 211 - Spanish Language III: GT-AH4
	3	ENG 121 - English Composition I: GT-CO1
	3-5	Mathematics Course MAT 121 - College Algebra: GT-MA1* MAT 122 - College Trigonometry: GT-MA1 MAT 166 - Pre-Calculus: GT-MA1 MAT 201 - Calculus I: GT-MA1
Year 1: Spring	Credits	Course
	3	Elective ~Recommended Elective(s)~ MAT 122 - College Trigonometry: GT-MA1 MAT 135 - Introduction to Statistics: GT-MA1* MAT 166 - Pre-Calculus: GT-MA1 MAT 201 - Calculus I: GT-MA1 MAT 202 - Calculus II: GT-MA1 MET 150 - General Meteorology with Lab: GT-SC1*
	4	Natural / Physical Science with Lab GT-SC1 ~Recommended Natural / Physical Science Course(s)~ AST 101 - Astronomy with Lab: Planetary Systems: GT-SC1* BIO 104 - Biology: A Human Approach: GT-SC1 BIO 105 - Science of Biology with Lab: GT-SC1* BIO 111 - General College Biology I with Lab: GT-SC1* CHE 101 - Introduction to Chemistry I with Lab: GT-SC1* GEO 111 - Physical Geography: Landforms with Lab: GT-SC1* PHY 111 - Physics: Algebra-Based I with Lab: GT-SC1*
Year 1: Summer	Credits	Course
	3	ENG 122 - English Composition II: GT-CO2
	3	Social / Behavioral Science GT-SS1-SS3 ~Recommended Social / Behavioral Science Course(s)~ ANT 101 - Cultural Anthropology: GT-SS3* ECO 202 - Principles of Microeconomics: GT-SS1* GEO 106 - Human Geography: GT-SS2* JOU 105 - Introduction to Mass Media: GT-SS3* POS 111 - American Government: GT-SS1* PSY 235 - Human Growth and Development: GT-SS3* SOC 101 - Introduction to Sociology I: GT-SS3*

Year 2: Fall	Credits	Course
	3	<b>Elective</b> ~Recommended Elective(s)~ AST 101 - Astronomy with Lab: Planetary Systems: GT-SC1* CSC 119 - Introduction to Programming EGG 102 - Introduction to Engineering Methodologies ENV 101 - Environmental Science with Lab: GT-SC1* HWE 100 - Human Nutrition
	4	<b>Natural / Physical Science with Lab GT-SC1</b> ~Recommended Natural / Physical Science Course(s)~ AST 102 - Stellar Astronomy with Lab: Stars and Galaxies: GT-SC1* BIO 112 - General College Biology II with Lab: GT-SC1* BIO 202 - Human Anatomy and Physiology II with Lab: GT-SC1 CHE 112 - General College Chemistry II with Lab: GT-SC1* GEY 112 - Historical Geology with Lab: GT: SC1* PHY 112 - Physics: Algebra-Based II with Lab: GT-SC1* PHY 212 - Physics: Calculus-Based II with Lab: GT-SC1*
Year 2: Spring	Credits	Course
	3	<b>History GT-HI1</b> ~Recommended History Course(s)~ HIS 101 - Western Civilization: Antiquity-1650: GT-HI1* HIS 102 - Western Civilization: 1650-Present: GT-HI1* HIS 111 - The World: Antiquity-1500: GT-HI1* HIS 112 - The World: 1500-Present: GT-HI1* HIS 121 - U.S. History to Reconstruction* HIS 225 - Colorado History: GT-HI1* HIS 247 - 20th Century World History: GT-HI1*
	4	<b>Natural / Physical Science with Lab GT-SC1</b> ~Recommended Natural / Physical Science Course(s)~ AST 101 - Astronomy with Lab: Planetary Systems: GT-SC1* BIO 111 - General College Biology I with Lab: GT-SC1* BIO 201 - Human Anatomy and Physiology I with Lab: GT-SC1* CHE 111 - General College Chemistry I with Lab: GT-SC1* GEY 111 - Physical Geology w/Lab: GT-SC1* PHY 111 - Physics: Algebra-Based I with Lab: GT-SC1* PHY 211 - Physics: Calculus-Based I with Lab: GT-SC1*
Year 2: Summer	Credits	Course
	3	<b>Arts / Humanities GT-AH1-AH4</b> ~Recommended Arts / Humanities Course(s)~ ART 110 - Art Appreciation GT-AH1* MUS 120 - Music Appreciation: GT-AH1* PHI 111 - Introduction to Philosophy: GT-AH3* PHI 112 - Ethics: GT-AH3* PHI 113 - Logic: GT-AH3* PHI 114 - Comparative Religions: GT-AH3* PHI 218 - Environmental Ethics: GT-AH3*
	3	<b>COM 115 - Public Speaking OR COM 125 Interpersonal Communication OR COM 220 Intercultural Communication</b>

Year 3: Fall	Credits	Course
	3	<p>Elective</p> <p>AST 102 - Stellar Astronomy with Lab: Stars and Galaxies: GT-SC1*</p> <p>BIO 104 - Biology: A Human Approach: GT-SC1</p> <p>CSC 225 - Computer Architecture/Assembly Language Programming</p> <p>GEY 111 - Physical Geology w/Lab: GT-SC1*</p> <p>GEY 112 - Historical Geology with Lab: GT: SC1*</p>
	3	<p>Elective</p> <p>~Recommended Elective(s)~</p> <p>AST 155 - Astronomy of Ancient Cultures: SC2*</p> <p>BIO 103 - Principles of Animal Biology: GT-SC2*</p> <p>CSC 160 - Computer Science I: Java*</p> <p>ECO 245 - Environmental Economics</p> <p>ENV 110 - Natural Disasters: GT-SC2*</p> <p>GEO 112 - Physical Geography - Weather and Climate with Lab: GT-SC1*</p> <p>HWE 100 - Human Nutrition</p>
	3	<p>Social / Behavioral Science GT-SS1-SS3</p> <p>~Recommended Social / Behavioral Science Course(s)~</p> <p>COM 220 - Intercultural Communication: GT-SS3*</p> <p>ECO 201 - Principles of Macroeconomics: GT-SS1*</p> <p>GEO 105 - World Regional Geography: GT-SS2*</p> <p>PSY 101 - General Psychology I: GT-SS3*</p> <p>SOC 220 - Sociology of Religion: GT-SS3*</p> <p>SOC 231 - The Sociology of Deviant Behavior: GT-SS3*</p>
Year 3: Spring	Credits	Course
	3	<p>Elective</p> <p>~Recommended Elective(s)~</p> <p>BIO 202 - Human Anatomy and Physiology II with Lab: GT-SC1</p> <p>CHE 211 - Organic Chemistry I with Lab</p> <p>ENV 101 - Environmental Science with Lab: GT-SC1*</p> <p>GEY 111 - Physical Geology w/Lab: GT-SC1*</p> <p>MAT 202 - Calculus II: GT-MA1</p> <p>MET 150 - General Meteorology with Lab: GT-SC1*</p> <p>PHY 212 - Physics: Calculus-Based II with Lab: GT-SC1*</p>
	3	<p>Elective</p> <p>~Recommended Elective(s)~</p> <p>BIO 104 - Biology: A Human Approach: GT-SC1</p> <p>BIO 204 - Microbiology with Lab: GT-SC1*</p> <p>ENV 101 - Environmental Science with Lab: GT-SC1*</p> <p>MET 150 - General Meteorology with Lab: GT-SC1*</p>
	3	<p>Elective</p> <p>~Recommended Elective(s)~</p> <p>CHE 211 - Organic Chemistry I with Lab</p> <p>CSC 161 - Computer Science II: Java</p> <p>EGG 211 - Engr Mechanics I - Statics</p> <p>MAT 203 - Calculus III: GT-MA1</p> <p>MAT 204 - Calculus III with Engineering Applications: GT-MA1</p>