

Course Subject and Title (courses in bold/shading are critical courses)	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No	Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	Additional Critical Requirement Notes
CRITICAL TERM ONE: 0-15 CREDIT HOURS							
MAT 270: Calculus with Analytic Geometry I (MA)	4	<input type="checkbox"/>		Grade of C			<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.6 cumulative GPA in all critical requirement courses PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C			
Elective (PHY 190 preferred)	1	<input type="checkbox"/>					
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C) or Historical Awareness (H)	3	<input type="checkbox"/>					
Social & Behavioral Science (SB)	3	<input type="checkbox"/>					
TRACKING TERM TWO: 16-30 CREDIT HOURS							
MAT 271: Calculus with Analytic Geometry II	4	<input type="checkbox"/>		Grade of C			<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.6 cumulative GPA in all critical requirement courses PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively
PHY 150: Physics I (SQ)	4	<input type="checkbox"/>		Grade of C			
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C) or Historical Awareness (H)	3	<input type="checkbox"/>					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C			
TRACKING TERM THREE: 31-45 CREDIT HOURS							
MAT 272: Calculus with Analytic Geometry III	4	<input type="checkbox"/>		Grade of C			<ul style="list-style-type: none"> First year composition completed. All critical courses must be completed by the end of semester 4 Maintain 2.6 cumulative GPA in all critical courses PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively
PHY 151: Physics II (SQ)	4	<input type="checkbox"/>		Grade of C			
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C			
General Elective	3	<input type="checkbox"/>					
Social & Behavioral Science (SB) AND Global Awareness (G)	3	<input type="checkbox"/>					
TRACKING TERM FOUR: 46-60 CREDIT HOURS							
PHY 252: Physics III	4	<input type="checkbox"/>		Grade of C			<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.6 cumulative GPA in all critical courses PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively
PHY 201: Mathematical Methods in Physics I	3	<input type="checkbox"/>		Grade of C			
PHY 333: Electronic Circuits and Measurements	3	<input checked="" type="checkbox"/>		Grade of C			
Upper division Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>					
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C			
TRACKING TERM FIVE: 61-75 CREDIT HOURS							
PHY 302: Mathematical Methods in Physics II	3	<input checked="" type="checkbox"/>		Grade of C			
PHY 310: Classical Particles, Fields, and Matter I	3	<input checked="" type="checkbox"/>		Grade of C			
PHY 314: Quantum Physics I	3	<input checked="" type="checkbox"/>		Grade of C			
Option II related area elective	3	<input checked="" type="checkbox"/>					
General Elective	3	<input type="checkbox"/>					
TRACKING TERM SIX: 76-90 CREDIT HOURS							
PHY 311: Classical Particles, Fields, and Matter II	3	<input checked="" type="checkbox"/>		Grade of C			
PHY 315: Quantum Physics II	3	<input checked="" type="checkbox"/>		Grade of C			
PHY 334: Advanced Laboratory I	2	<input checked="" type="checkbox"/>		Grade of C			
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>					
Option II related area elective	3	<input type="checkbox"/>					
TRACKING TERM SEVEN: 91-105 CREDIT HOURS							
PHY 412: Classical Particles, Fields, and Matter III	3	<input checked="" type="checkbox"/>		Grade of C			
PHY 441: Statistical and Thermal Physics	3	<input checked="" type="checkbox"/>		Grade of C			
General Elective	3	<input type="checkbox"/>					
Option II related area elective	3	<input checked="" type="checkbox"/>					
Upper Division Elective	3	<input type="checkbox"/>					
TRACKING TERM EIGHT: 106-120 CREDIT HOURS							
Upper division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>					
Upper Division Option II related area elective	3	<input checked="" type="checkbox"/>					
Upper Division Option II related area elective	3	<input checked="" type="checkbox"/>					
General Elective	3	<input type="checkbox"/>					
General Elective	3	<input type="checkbox"/>					

Graduation Requirements Summary

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

Additional Notes:

There is room in this roadmap to add a concurrent degree, minor or concentration.

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition