

			Completed Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGECE <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes	
TERM ONE: 0-15 CREDIT HOURS						
ASU 101: The ASU Experience	1	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none">ASU 101 is for ASU freshman students only. Not required of transfer studentsAn SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition coursesASU Math Placement Exam score determines placement in mathematics courseMinimum 2.50 ASU cumulative and critical content area course GPA recommendedRecommend HST 109 for HU, H and meets the US constitution requirement for certification.	
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		
MAT 270: Calculus with Analytic Geometry I (MA)	4	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts, and Design (HU) with Awareness Area – Historical (H):	3	<input type="checkbox"/>				
Humanities, Fine Art,s and Design (HU) with Awareness Area – Global (G):	3	<input type="checkbox"/>				
TERM TWO: 16-30 CREDIT HOURS						
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	<ul style="list-style-type: none">Complete SPE 222 with a “B” or betterMinimum 2.50 ASU cumulative and critical content area course GPA recommended	
PHY 150: Physics I (SQ) OR PHY 121: University Physics I: Mechanics and PHY 122: University Physics Laboratory I (SQ)	4	<input type="checkbox"/>		Grade of C		
MAT 271: Calculus with Analytic Geometry II (MA)	4	<input type="checkbox"/>		Grade of C		
Social and Behavioral Sciences (SB):	3	<input type="checkbox"/>				
SPE 222: Orientation Education of the Exceptional Child (SB & C)	3	<input type="checkbox"/>		Grade of C		
TERM THREE: 31-45 CREDIT HOURS						
PHY 151: Physics II (SQ) OR PHY 131: University Physics II: Electricity and Magnetism and PHY 132: Univarsity Physics II: Electricity and Magnetism Lab (SQ)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none">Complete First-Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105Complete PHY 151 OR PHY 131& 132Minimum 2.50 ASU cumulative and critical content area course GPA requiredMILESTONE: Submit intent to progress form online	
MAT 272: Calculus with Analytic Geometry III (MA)	4	<input type="checkbox"/>		Grade of C		
Upper-division SB or HU	3	<input checked="" type="checkbox"/>				
BLE 220: Foundations of Structured English Immersion	3	<input type="checkbox"/>		Grade of C		
TERM FOUR: 46-60 CREDIT HOURS						
PHY 252: Physics III (SQ) OR PHY 241: University Physics III	3-4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none">Minimum 2.50 ASU cumulative and critical content area course GPA requiredMust complete CS by end of term 4Complete PHY 252 or PHY 241Complete BLE 220 with a “C” or betterMust complete at least 56 credits to progress into PTPP.MILESTONE: Attend PTPP Enrollment Workshop	
PHY 201: Mathematical Methods in Physics I (CS)	3	<input type="checkbox"/>		Grade of C		
Upper-division PHY course	3	<input checked="" type="checkbox"/>		Grade of C		
TEL 315: Child and Adolescent Development (L or SB)	3	<input checked="" type="checkbox"/>		Grade of C		
TERM FIVE: 61-75 CREDIT HOURS						
PHY 302: Mathematical Methods in Physics II	2	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none">Minimum 2.50 ASU cumulative GPAMust possess valid DPS fingerprint clearance card	
PHY 310: Classical Particles, Fields, Matter I	3	<input checked="" type="checkbox"/>		Grade of C		
TEL 311: Instruction and Management in the Inclusive Classroom	3	<input checked="" type="checkbox"/>		Grade of C		
TEL 313: Educational Technology in the K-12 Curriculum	3	<input checked="" type="checkbox"/>		Grade of C		
TEL 314 Classroom Assessment	3	<input checked="" type="checkbox"/>		Grade of C		
Upper-division PHY course	3	<input checked="" type="checkbox"/>		Grade of C		
SED 396: Field Experience I	1	<input checked="" type="checkbox"/>		Grade of Y		
TERM SIX: 76-90 CREDIT HOURS						
PHY 333: Electric Circuits and Measurements	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none">Minimum 2.50 ASU cumulative GPA	
BLE 407: SEI for Secondary Students	3	<input checked="" type="checkbox"/>		Grade of C		
SPE 417: Inclusion Practices at the Secondary Level	3	<input checked="" type="checkbox"/>		Grade of C		
RDG 323: Literacy Processes in Content Areas	3	<input checked="" type="checkbox"/>		Grade of C		
PHY 480: Methods of Teaching Physics	3	<input checked="" type="checkbox"/>		Grade of C		
SED 397: Field Experience II	1	<input checked="" type="checkbox"/>		Grade of C		
TERM SEVEN: 91-105 CREDIT HOURS						
PHY 314 Quantum Physics I OR PHY 361: Introductory Modern Physics	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none">Complete 10 hours of upper division PHY courseworkMinimum 2.50 ASU cumulative GPA	
SED methods course (see advisor)	3	<input checked="" type="checkbox"/>		Grade of C		
SED 321: Critical Issues in Secondary Education (L)	3	<input checked="" type="checkbox"/>		Grade of C		
SED 322: Classroom Leadership in Secondary Schools	3	<input checked="" type="checkbox"/>		Grade of C		
SED 496: Field Experience III	1	<input checked="" type="checkbox"/>		Grade of Y		
Upper-division PHY course	4	<input checked="" type="checkbox"/>		Grade of C		
TERM EIGHT: 106-120 CREDIT HOURS						
SED 478: Student Teaching in the Secondary School	8-12	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none">Minimum 2.50 ASU cumulative GPA	

Graduation Requirements Summary:

Total Hours (120 minimum)	Total UD Hours (minimum 45)	Cumulative GPA (2.50 minimum required by major)	Total Hrs at ASU (minimum 30)	Resident Credit for Academic Recognition (minimum 56)	Total Community College Hrs (maximum 64)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L) (6 credit hours)
 - Mathematical Studies (MA) (3 credit hours)
 - Computer/Statistics/Quantitative applications (CS) (3 credit hours)
 - Humanities, Fine Arts, and Design (HU) (6-9 credit hours)
 - Social and Behavioral Sciences (SB) (6-9 credit hours)
 - Natural Science-Quantitative (SQ) (4 – 8 credit hours) (cumulative SQ/SG credit must equal 8 credit hours)
 - Natural Science-General (SG) (0-4 credit hours) (cumulative SQ/SG credit must equal 8 credit hours)
- General Studies Awareness Requirements
 - Cultural Diversity in the U.S. (C) (3 credit hours) (may be combined with other general studies requirements.)
 - Global Awareness (G) (3 credit hours) (may be combined with other general studies requirements.)
 - Historical Awareness (H) (3 credit hours) (may be combined with other general studies requirements.)
- First-Year Composition (ENG 101 and 102 OR ENG 107 and 108 or ENG 105)

Additional Notes:

Please check course availability in your specialization area as some courses are not offered every semester.

The requirements outlined on this major map meet ASU's graduation requirements for this catalog year and major; however, certification requirements are determined by the Arizona Department of Education (ADE) and are subject to change. Occasionally, additional courses, which are not outlined on this major map, may be required to obtain certification and/or an Institutional Recommendation. It is highly recommended that you speak with your advisor regarding any certification updates or changes.