

Critical Requirements: Students who follow the 2008-2009 catalog year and are entering ASU as either a first-time freshman or transfer from any Arizona public university or Arizona community college must complete critical requirements.

Major Map: Applied Computer Science - Bachelor of Science (B.S.) College of Technology and Innovation, Polytechnic Campus Catalog Year: 2008-2009

			Completed AT	P: Yes I No	Completed AGEC: Yes No			
Course Subject and Title (courses in bold/shading are critical)	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes			
TERM ONE: 0-15 CREDIT HOURS	1115.	DIVISION	course/orade	Required	Admonar Critical Requirement Pores			
ASU 101: The ASU Experience	1				• ASU 101 is for freshman ASU students only. Not			
Complete 2 courses from:					required for transfer students.An SAT, ACT, Accuplacer, or TOEFL score			
MA course: (APM 265: Mathematics of Change I *)				Grade of C	 An SAT, ACT, Accupiacer, or TOEFL score determines placement into first-year composition 			
APM 266: Mathematics of Change II CST 100: Object-Oriented Software Development	3			Grade of C	courses			
CST 150: Digital Systems I (CS)					*Mathematical Studies (MA) designation			
CST 200& 201: Object-Oriented Software Development				a 1 6a	approval pendingComplete at least 2 critical courses each with a			
II/Laboratory (3/1 hrs) MAT 243: Discrete Mathematical Structures	3			Grade of C	minimum grade of C. Suggested courses for term			
PHY 111/113: General Physics/Laboratory (SQ) or CHM 113:					1: APM 270; CST 100, CST 150			
General Chemistry I (SQ)	3 or				Students must complete either a Physics (PHY 111/113 & 112/14) OR Chemistry (113 and 115)			
CST 230: Applied Data Structures ENG 101 or 102: First-Year Composition or	3/1			Grade of C	sequence			
ENG 105: Advanced First-Year Composition or					 Minimum cumulative 2.5 GPA required for all 			
ENG 107 or 108: English for Foreign Students	3			Grade of C	critical (bold/shaded) courses			
Humanities, Fine Arts & Design (HU)	3				Minimum cumulative 2.0 GPA required			
TERM TWO: 16-30 CREDIT HOURS		1	,					
Complete 2 additional courses from:					 Complete at least 2 additional critical courses each with a minimum grade of C. Suggested courses for 			
MA course: (APM 265: Mathematics of Change I *) APM 266: Mathematics of Change II	3			Grade of C	with a minimum grade of C. Suggested courses for term 2: APM 271; CST 200 & 201			
CST 100: Object-Oriented Software Development		_		·····	Students must complete either a Physics (PHY			
CST 150: Digital Systems I (CS) CST 200 & 201: Object Oriented Software Development					111/113 & 112/14) OR Chemistry (113 and 115)			
CST 200& 201: Object-Oriented Software Development II/Laboratory (3/1 hrs)					sequenceMinimum cumulative 2.5 GPA required for all			
MAT 243: Discrete Mathematical Structures					critical (bold/shaded) courses			
PHY 111/113: General Physics/Laboratory (SQ) or CHM 113:					 Minimum cumulative 2.0 GPA required 			
General Chemistry I (SQ) CST 230: Applied Data Structures	3 or 3/1			Grade of C				
CST 250/Applied Data Structures CST 250/251: Microcomputer Architecture & Programming/Lab	3/1			Shade of C				
ENG 101 or 102: First-Year Composition or	-							
ENG 107 or 108: English for Foreign Students or	3			Minimum grade of C				
ENG 105: Advanced First-Year Composition	3			required				
TERM THREE: 31-45 CREDIT HOURS Complete 2 additional courses from:					First-year composition requirement must be			
MA course: (APM 265: Mathematics of Change I *)					completed by end of term 3			
MA course: (APM 265: Mathematics of Change I *) APM 266: Mathematics of Change II	3			Grade of C	Complete at least 2 additional critical courses each			
MA course: (APM 265: Mathematics of Change I *) APM 266: Mathematics of Change II CST 100: Object-Oriented Software Development	3			Grade of C	• Complete at least 2 additional critical courses each with a minimum grade of C. Suggested courses for			
MA course: (APM 265: Mathematics of Change I *) APM 266: Mathematics of Change II	3			Grade of C	Complete at least 2 additional critical courses each			
MA course: (APM 265: Mathematics of Change I *) APM 266: Mathematics of Change II CST 100: Object-Oriented Software Development CST 150: Digital Systems I (CS) CST 200& 201: Object-Oriented Software Development II/Laboratory (3/1 hrs)	3			Grade of C	 Complete at least 2 additional critical courses each with a minimum grade of C. Suggested courses for term 3: MAT 243; PHY 111 & 113 or CHM 113 Students must complete either a Physics (PHY 111/113 & 112/14) OR Chemistry (113 and 115) 			
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Critical Requirements: Students who follow the 2008-2009 catalog year and are entering ASU as either a first-time freshman or transfer from any Arizona public university or Arizona community college must complete critical requirements.

Course Subject and Title (courses in bold/shading are critical)	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM FIVE: 61-75 CREDIT HOURS	1113.	DIVISION	Course/Grade	Required	Additional Critical Requirement Potes
APM 301 Introductory Statistics (CS)	3	\boxtimes			
CST 315 Software Enterprise I: Tools & Process	3				
CST 420 Foundations of Distributed Web-based Applications in Java	3				
CST 433 Database Technology	3				
Technical elective	3				
TERM SIX: 76-90 CREDIT HOURS					
CST 316 Software Enterprise II: Construction & Transition	3	\boxtimes			
CST 355 Applications of Computer Theory	3	\boxtimes			
CST 400-level course	3				
Literacy and Critical Inquiry (L)	3				
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3				
TERM SEVEN: 91-105 CREDIT HOURS					
CST 415 Software Enterprise III: Inception & Elaboration (L)	3	\boxtimes			
CST 496 Ethics and Professionalism in Computing	1	\boxtimes			
CST 400-level course	3				
Technical elective	3				
Lab Science	4				
TERM EIGHT: 106-120 CREDIT HOURS					
CST 416: Software Enterprise IV: Project & Process Management					**Literacy (L) designation approval pending
(L)** or TWC 400: Technical Communications (L)	3				
CST 400-level course	3				
CST 400-level course	3				1
Technical Elective	3				1
Upper division Humanities (HU) AND Cultural Awareness in the US (C), Global Awareness (G) or Historical Awareness (H) OR Upper division Social Behavioral Science (SB) AND Cultural Awareness in the US (C), Global Awareness (G) or Historical					
Awareness (H)	3	\boxtimes			

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)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - o 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

Additional Notes: