

















2024 - 2025 Major Map

Computer Information Systems, BS

School/College: W. P. Carey School of Business
BACISBS

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement Create your first college resume
CIS 105: Computer Applications and Information Technology (QTRS OR CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours	Hours	Minimum Grade	Notes
MAT 210: Brief Calculus (MATH OR MA)	3	C	<ul style="list-style-type: none"> View ASU Online first-year student registration information here. Join a student club or organization
Humanities, Arts and Design (HUAD)	3		
SOC Elective AND Social and Behavioral Sciences (SOBE)	3		
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> Research study abroad opportunities recommended for your major
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 211: Mathematics for Business Analysis	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Term hours subtotal:	9.25		
Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
COM 259: Communication in Business and the Professions (CIVI)	3		<ul style="list-style-type: none"> WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete 3 hours of elective credit.
ECN 211: Macroeconomic Principles (SOBE OR SB)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		
Term 3 - A 31.25 - 40.25 Credit Hours	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> Explore career resources. Meet with your W. P. Carey Career Coach
ECN 212: Microeconomic Principles (SOBE OR SB)	3	C	
PSY Elective AND Social and Behavioral Sciences (SOBE)	3		
Term hours subtotal:	9		

Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> • Explore career resources. • Meet with your W. P. Carey Career Coach • Attend W. P. Carey and ASU Career Fairs
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Humanities, Arts and Design (HUAD)	3		
 Complete Mathematics (MATH) requirement.			
Term hours subtotal:	6.25		
Term 4 - A 46.50 - 53.50 Credit Hours	Hours	Minimum Grade	Notes
ECN 221: Business Statistics (QTRS OR CS)	3	C	<ul style="list-style-type: none"> • Attend W. P. Carey and ASU career fairs • Apply for internships or create one
Scientific Thinking in Natural Sciences (SCIT)	4		
Term hours subtotal:	7		
Term 4 - B 53.50 - 60.50 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Scientific Thinking in Natural Sciences (SCIT)	4		
Elective	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	7		
Term 5 - A 60.50 - 66.75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CIS 235: Introduction to Information Systems, Analytics and AI in Business	3	C	<ul style="list-style-type: none"> • Meet with your W. P. Carey Career Coach • Update your resume
MKT 300: Marketing and Business Performance	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:	6.25		
Term 5 - B 66.75 - 75.75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CIS 340: Business Information System Development I	3	C	<ul style="list-style-type: none"> • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
MGT 300: Principles of Management and Leadership	3	C	
SCM 300: Global Supply Operations (SUST)	3	C	
Term hours subtotal:	9		
Term 6 - A 75.75 - 81.75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CIS 407: Business Database Systems Development	3	C	<ul style="list-style-type: none"> • Complete informational interviews
WPC 300: Problem Solving and Actionable Analytics (QTRS)	3	C	
Term hours subtotal:	6		
Term 6 - B 81.75 - 90.75 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Computer Information Systems Elective	3	C	<ul style="list-style-type: none"> • Complete an in person or virtual practice interview with your W. P. Carey Career Coach
FIN 300: Fundamentals of Finance	3	C	
Upper Division International Business Elective AND Global Communities, Societies and Individuals (GCSI)	3	C	
Term hours subtotal:	9		
Term 7 - A 90.75 - 96.75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ CIS 425: Web Technologies for the Enterprise	3	C
ENG 302: Business Writing (L)	3	
Term hours subtotal:	6	

- All upper-division Business Core classes (including an International Business course) must be completed before enrolling in WPC 480
- Attend **W. P. Carey** and **ASU** Career Fairs

Term 7 - B 96.75 - 105.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CIS 401: Managing Cyber Risks in Enterprise Business Processes	3	C	<ul style="list-style-type: none"> • Gather professional references • Update your resume
Upper Division Computer Information Systems Elective	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (GCSI) AND MKT 300 AND SCM 300 AND WPC 300 course(s).			
Term hours subtotal:	9		

Term 8 - A 105.75 - 112.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CIS 440: Capstone in Information Systems (L)	3	C	<ul style="list-style-type: none"> • Apply for full-time career opportunities
WPC 448: Senior Career Transition Management	0.25	C	
Elective OR WPC 484: Internship	3		
Term hours subtotal:	6.25		

Term 8 - B 112.00 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
American Institutions (AMIT)	3		
Upper Division Elective	2		
Term hours subtotal:	8		

Hide Course List(s)/Track Group(s)

Computer Information Systems Elective - select two courses (6 credit hours)	Upper Division International Business Course- select one course (3 credit hours)
CIS 308: Advanced Excel in Business	AGB 302: International Management and Agribusiness (GCSI OR G)
CIS 309: Business Process Management	ECN 306: Survey of International Economics (GCSI OR SB & G)
CIS 310: Business Data Visualization	MGT 302: Principles of International Business (GCSI OR G)
CIS 311: Business Agile Project Management	MKT 425: Global Marketing Management (GCSI OR G)
CIS 312: Business Mobile Commerce and Monetization	SCM 463: Global Supply Chain Management (GCSI OR G)
CIS 313: Location Analytics in Business	
CIS 315: Introduction to Business Data Analytics	
CIS 325: Fundamental Techniques for Business Data Analytics	
CIS 345: Business Information System Development II	

CIS 402: Privacy, Ethics and Compliance
Issues

CIS 405: Business Intelligence

CIS 409: Business Data Warehouses and
Dimensional Modeling

CIS 412: Business Machine Learning

CIS 415: Big Data Analytics in Business

CIS 430: Mobile Platforms for Business

CIS 484: Internship

(Maximum three credit hours of CIS 484
may be applied toward the major)

- **Total Hours:** 120
- **Upper Division Hours:** 50 minimum
- **University Undergraduate Graduation Requirements**

Notes:

Mathematics Placement Assessment score determines placement in first mathematics course.

General Studies designations listed next to courses on the major map were valid for the 2024 - 2025 academic year. Please refer to the course catalog for current General Studies designations at time of class registration. General Studies credit is applied according to the designation the course carries at the time the class is taken.