















## 2022 - 2023 Major Map

### Business Data Analytics, BS

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

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>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</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
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 Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a></li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
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			
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
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> </ul>
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E.			
 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 Critical course signified by 	Hours	Minimum Grade	Notes

❗ ACC 231: Uses of Accounting Information I	3	C
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3	
ECN 212: Microeconomic Principles (SB)	3	C
Term hours subtotal:	9	

- Explore [career resources](#).
- Meet with your [W. P. Carey Career Coach](#)
- Attend [W. P. Carey](#) and [ASU Career Fairs](#)

Term 3 - B 40.25 - 46.50 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Develop your <a href="#">professional online presence</a></li> </ul>
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
General Studies Elective	3		
❗ Business Skills Courses: No Grades of D or E.			
❗ Complete ECN 211 AND ECN 212.			
❗ Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6.25		

Term 4 - A 46.50 - 53.50 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ ECN 221: Business Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Attend <a href="#">W. P. Carey</a> and <a href="#">ASU career fairs</a></li> <li>• Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 4 - B 53.50 - 59.50 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
General Studies Elective	2		
❗ Business Skills Courses: No Grades of D or E.			
❗ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 5 - A 59.50 - 65.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CIS 235: Introduction to Information Systems	3	C	<ul style="list-style-type: none"> <li>• Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>• Update your <a href="#">resume</a></li> </ul>
MKT 300: Marketing and Business Performance	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:	6.25		

Term 5 - B 65.75 - 74.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CIS 325: Fundamental Techniques for Business Data Analytics	3	C	<ul style="list-style-type: none"> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> </ul>
★ CIS 365: Business Database Systems Development	3	C	
ENG 302: Business Writing (L)	3		
Term hours subtotal:	9		

Term 6 - A 74.75 - 83.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ CIS 315: Introduction to Business Data Analytics	3	C	• Complete informational interviews
★ CIS 355: Business Data Warehouses and Dimensional Modeling	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	9		
Term 6 - B 83.75 - 89.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CIS 375: Business Data Mining	3	C	• Complete an in person or virtual practice interview with your W. P. Carey Career Coach
Upper Division International Business Elective AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		
Term 7 - A 89.75 - 98.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CIS 415: Big Data Analytics in Business	3	C	• All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480
FIN 300: Fundamentals of Finance	3	C	• Attend W. P. Carey and ASU Career Fairs
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	9		
Term 7 - B 98.75 - 107.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CIS 450: Enterprise Analytics	3	C	• Gather professional references
LES 305: Business Law and Ethics for Managers	3	C	• Update your resume
MGT 300: Organization and Management Leadership	3	C	
★ Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s).			
Term hours subtotal:	9		
Term 8 - A 107.75 - 114.00 Credit Hours	Hours	Minimum Grade	Notes
SCM 300: Global Supply Operations	3	C	• Apply for full-time career opportunities
Elective OR CIS 484: Internship OR WPC 484: Internships & Applied Academics	3		
WPC 448: Senior Career Transition Management	0.25	C	
Term hours subtotal:	6.25		
Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

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

Upper Division International Business Course- select one course (3 credit hours)	General Studies Electives	Business Skills Courses - No Grades of D or E
AGB 302: International Management and Agribusiness (G)	ASL 101: American Sign Language I	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
ECN 306: Survey of International Economics (SB & G)	ASL 102: American Sign Language II	
	ASL 201: American Sign Language III	
	ASL 202: American Sign Language IV	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
MGT 302: Principles of International Business (G)	BIO 320: Fundamentals of Ecology	
MKT 425: Global Marketing Management (G)	COM 207: Introduction to Communication Inquiry	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
SCM 463: Global Supply Chain Management (G)	COM 259: Communication in Business and the Professions	
	COM 312: Communication, Conflict, and Negotiation	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
	COM 414: Crisis Communication	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
	COM 430: Leadership in Group Communication	
	COM 453: Communication Training and Development	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
	ENG 210: Introduction to Creative Writing	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
	ENG 310: Intermediate Creative Writing	
	ENG 345: Selected Authors or Issues	MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)
	FAS 301: Introduction to Parenting	
	MAT 242: Elementary Linear Algebra	
	MAT 243: Discrete Mathematical Structures	
	ROM 101: Elementary Romanian Language and Culture I	
	SPA 101: Elementary Spanish I	
	SPA 102: Elementary Spanish II	
	SPA 111: Fundamentals of Spanish	
	WPC 150: Business and Society	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed next to courses on the major map were valid for the 2022 - 2023 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.