2021 - 2022 Major Map
Computer Information Systems - 3.0 Years, BS

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

Fast Track Options: Return to 4 Year Plan

A student must speak with an advisor in order to be added to a fast track plan.

In order to complete a fast track degree plan, you must take courses during the summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. Learn more about summer financial aid and additional ways to cover summer costs.

<table>
<thead>
<tr>
<th>Term 1</th>
<th>0 - 16 Credit Hours</th>
<th>Critical course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 105: Computer Applications and Information Technology (CS)</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT 210: Brief Calculus (MA)</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WPC 101: Student Success in Business</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOC course (SB)</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humanities, Arts and Design (HU) AND Historical Awareness (H)</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum 2.00 GPA ASU Cumulative.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Term hours subtotal: 16

<table>
<thead>
<tr>
<th>Term 2</th>
<th>16 - 31.25 Credit Hours</th>
<th>Critical course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 235: Introduction to Information Systems</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT 211: Mathematics for Business Analysis</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECN 211: Macroeconomic Principles (SB)</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WPC 148: First-Year Introduction to Career Development</td>
<td>0.25</td>
<td>C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WPC 150: Business and Society</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum 2.00 GPA ASU Cumulative.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Term hours subtotal: 15.25

- ASU 101 or college-specific equivalent
  First-Year Seminar required of all first-year students. ACC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Create your first college resume

- 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.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Join the W. P. Carey mentorship programs
- Explore student leadership opportunities in W. P. Carey
* Research study abroad opportunities recommended for your major.

### Summer 2 Session 1 31.25 - 37.25 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 231: Uses of Accounting Information I</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>ECN 221: Business Statistics (CS)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
</tbody>
</table>

Term hours subtotal: 6

### Summer 2 Session 2 37.25 - 43.25 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>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</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>ACC 241: Uses of Accounting Information II</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
</tbody>
</table>

Term hours subtotal: 6

### Term 3 43.25 - 60.50 Credit Hours  

**Critical course signified by 🟠**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>🟠 CIS 340: Business Information System Development I</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>🟠 CIS 365: Business Database Systems Development</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>🟠 ECN 212: Microeconomic Principles (SB)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>🟠 WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management</td>
<td>0.25</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>🟠 PSY course (SB)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>🟠 Elective</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Business Skills Courses: No Grades of D or E</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Complete ECN 211 AND ECN 212.</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Minimum 2.00 GPA ASU Cumulative.</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Complete Mathematics (MA) requirement.</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Term hours subtotal: 17.25

### Term 4 60.50 - 78.50 Credit Hours  

**Critical course signified by 🟠**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>🟠 CIS 345: Business Information System Development II</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>🟠 CIS 425: Web Technologies for the Enterprise</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>🟠 ENG 302: Business Writing (L)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>🟠 FIN 300: Fundamentals of Finance</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>🟠 MGT 300: Organization and Management Leadership</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>🟠 WPC 300: Problem Solving and Actionable Analytics</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td><strong>Business Skills Courses: No Grades of D or E</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Minimum 2.00 GPA ASU Cumulative.</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Term hours subtotal: 18

### Summer 4 78.50 - 86.75 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WPC 348: Junior Networking Foundations</td>
<td>0.25</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>General Studies Elective</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natural Science - General (SG) OR Natural Science - Quantitative (SQ)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Term hours subtotal: 8.25
Upper Division International Business Course - select one course (3 credit hours)

AGB 302: International Management and Agribusiness (G)
ECN 306: Survey of International Economics (SB & G)
MGT 302: Principles of International Business (G)
MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management (G)

General Studies Electives

ASL 101: American Sign Language I
ASL 102: American Sign Language II
ASL 201: American Sign Language III
ASL 202: American Sign Language IV
BIO 320: Fundamentals of Ecology
CHI 110: Intensive Chinese I
CHI 205: Chinese Calligraphy
COM 207: Introduction to Communication Inquiry
COM 259: Communication in Business and the Professions

General Studies Electives Continued

LAT 101: Elementary Latin
LAT 102: Elementary Latin
MAT 242: Elementary Linear Algebra
MAT 243: Discrete Mathematical Structures
MAT 310: Introduction to Geometry
MAT 342: Linear Algebra
MAT 370: Intermediate Calculus
MAT 371: Advanced Calculus I
MAT 372: Advanced Calculus II
MAT 410: Introduction to General Topology

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.

Term 5 86.75 - 104.75 Credit Hours Necessary course signified by

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 401: Managing Cyber Risks in Enterprise Business Processes</td>
<td>3</td>
<td>C</td>
<td>- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</td>
</tr>
<tr>
<td>CIS 430: Mobile Platforms for Business</td>
<td>3</td>
<td>C</td>
<td>- Meet with your W. P. Carey Career Coach</td>
</tr>
<tr>
<td>LES 305: Business Law and Ethics for Managers</td>
<td>3</td>
<td>C</td>
<td>- Complete informational interviews</td>
</tr>
<tr>
<td>MKT 300: Marketing and Business Performance</td>
<td>3</td>
<td>C</td>
<td>- Attend W. P. Carey and ASU Career Fairs</td>
</tr>
<tr>
<td>SCM 300: Global Supply Operations</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Upper Division International Business Course AND Global Awareness (G)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
</tbody>
</table>

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).

Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 18

Term 6 104.75 - 120.00 Credit Hours Necessary course signified by

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 440: Capstone in Information Systems (L)</td>
<td>3</td>
<td>C</td>
<td>- Apply for full-time career opportunities</td>
</tr>
<tr>
<td>WPC 480: W. P. Carey Capstone Course (L)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>WPC 448: Senior Career Transition Management</td>
<td>0.25</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective OR CIS 484: Internship OR WPC 484: Internships &amp; Applied Academics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Term hours subtotal: 15.25
COM 281: Communication Activities
COM 312: Communication, Conflict, and Negotiation
COM 341: Social Contexts for Performance
COM 414: Crisis Communication
COM 430: Leadership in Group Communication
COM 453: Communication Training and Development
COM 465: Intercultural Communication Workshop
ENG 210: Introduction to Creative Writing
ENG 213: Introduction to the Study of Language
ENG 310: Intermediate Creative Writing
ENG 314: Modern Grammar
ENG 345: Selected Authors or Issues
FAS 301: Introduction to Parenting
GCU 433: Geography of Southeast Asia
GRK 101: Elementary Ancient Greek
GRK 201: Intermediate Ancient Greek
HST 389: Japan Society and Values/Premod
IDN 101: Elementary Indonesian I
IDN 102: Elementary Indonesian II
JPN 110: Intensive Japanese I
JPN 206: Japanese Calligraphy
JPN 414: Introduction to Classical Japanese
KOR 101: First-Year Korean I
KOR 102: First-Year Korean II
MAT 415: Introduction to Combinatorics
MAT 416: Graph Theory
MAT 442: Advanced Linear Algebra
MAT 443: Introduction to Abstract Algebra
MAT 444: Intermediate Abstract Algebra
MAT 445: Theory of Numbers
MAT 460: Vector Calculus
MAT 461: Applied Complex Analysis
MAT 462: Applied Partial Differential Equations
MAT 472: Intermediate Real Analysis I
MAT 475: Differential Equations
MAT 485: History of Mathematics
ROM 101: Elementary Romanian Language and Culture I
ROM 201: Intermediate Romanian Language and Culture I
ROM 313: Romanian Composition and Conversation
ROM 314: Romanian Composition and Conversation
RUS 101: Elementary Russian I
RUS 102: Elementary Russian II
SPA 101: Elementary Spanish I
SPA 102: Elementary Spanish II
SPA 111: Fundamentals of Spanish
SPA 486: Chicano/a Novel: Ñltima, Rafa y Lala
UNI 110: Critical Reading and Thinking
WPC 150: Business and Society

Business Skills Courses - No Grades of D or E

ACC 231: Uses of Accounting Information I

ACC 241: Uses of Accounting Information II
or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting

CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
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 on the major map are current for the 2021 - 2022 academic year.