

It is a critical part of every business and organization — in every industry around the world. You will find your future with Computer Information Systems is limitless. The W. P. Carey business degree in computer information systems delivers the tools you need to meet rising demand for experts in systems analysis, business applications programming, business database design, and decision support across public, private, nonprofit, and government entities worldwide.

Major Requirements

Sequencing

CIS 235	⇒	CIS 340 ACC 444	⇒	CIS 365 CIS 345	⇒	CIS 425 CIS 430	⇒	CIS 440
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Prerequisites

- CIS 105/200/220 and MAT 210/270 or MAT 211/271 are prerequisites to CIS 235
- CIS 340 is a prerequisite to CIS 345
- CIS 235/236 is a prerequisite to CIS 365
- CIS 360/365 is a prerequisite to CIS 425
- ACC 330/444 and CIS 340 or 410 are prerequisites to CIS 430; corequisites: CIS 360 or 365
- CIS 360/365 and CIS 430 are prerequisites to CIS 440

Computer Information Systems Courses

ACC 444 Enterprise Process Analysis and Design

Addresses the major business processes of an enterprise, the impact of recent technological innovations and requisite internal controls. Advances an understanding of the current regulatory environment as it pertains to process controls.

Prerequisites: Accountancy or Computer Information Systems major; ACC 241/242/27, CIS 360, and ECN 221 with C or better. For CIS majors: CIS 235/236 with C or better

CIS 235 Introduction to Information Systems

Survey course introducing the competitive and strategic uses of information systems, how information systems are transforming organizations and their management, and the issues, difficulties, and opportunities facing the technology professional and business manager today.

Prerequisites: Must have completed CIS 105 or 200 or 220 AND MAT 210 or 270 or 211 or 271 all with grades of C or better.

CIS 340 Business Information Systems Development – Part 1

Systems Development Life Cycle (SDLC) tools, techniques, and methodologies used to plan and analyze the needs of modern business information system development.

Prerequisites: Computer information systems major; ACC 241, 242 or 271 AND CIS 235 or 236 AND ECN 221 AND MAT 211 all with grades of C or better.

CIS 345 Business Information Systems Development – Part 2

Provides a clear understanding of the Systems Development Life Cycle (SDLC) tools, techniques, and methodologies used to design, implement, and support modern business information systems development.

Prerequisites: Computer information systems major; CIS 340 with C or better.

CIS 365 Business Database Systems

Focuses on business database and data warehousing systems, development and management. Topics include capturing business requirements using data modeling, SQL, data security, operational and analytical data stores and data integrity.

Prerequisites: Computer information systems major; CIS 235 or 236 with C or better.

CIS 425 CIS 425 Electronic Commerce Strategy

Key business strategies and technology elements of contemporary electronic commerce. Covers Web design and interactions between Web pages and databases.

Prerequisites: Accountancy or computer information systems major; CIS 360 or 365 with C or better.

CIS 430 Networks and Distributed Systems

Advanced topics such as communications protocols, distributed systems, network security and client-server systems; applications based on platforms such as .NET and networked UNIX.

Prerequisites: Computer information systems major; ACC 330 or 444 AND CIS 340 or 410 all with grades of C or better. Pre- or corequisite: CIS 360 or 365.

CIS 440 Systems Design and Electronic Commerce (L)

Systems design for organizational and electronic commerce systems; use of project management and systems analysis and design tools.

Prerequisites: Computer information systems major; CIS 360 or 365 AND CIS 430 all with grades of C or better.