



**ADT- COMPUTER SCIENCE
TO
BACHELOR OF INFORMATION SYSTEMS WITH CONCENTRATION IN
BUSINESS MANAGEMENT PATHWAY**

Students who have earned an Associate of Science Transfer (AS-T) Degree in Computer Science from a California Community College are eligible to waive the general education requirements for the Bachelor of Science in Information Systems with concentration in Business degree at National University. At the time of enrollment, student should have completed a California Community College-ADT program within the last 12 months and be admitted to the National University degree program that correlates to the ADT.

Please note the student is required to complete the upper division and cultural diversity general education requirements. Students must complete a minimum of 180 quarter units to complete the **BACHELOR OF SCIENCE IN INFROMATION SYSTEM WITH CONCENTRATION IN BUSINESS MANAGEMENT** degree.

REQUIREMENTS FOR THE MAJOR (10 courses; 45 quarter units)	
CIS 301 Management Information Systems	
CIS 310 Technology Project Management	
CIS 320 Systems Analysis and Integration	
CIS 350 Database Management Systems	
CIS 421 Enterprise Architecture	
CIS 422 IT Infrastructure	
CIS 423 IS Strategy, Management, and Acquisition	
CSC 350 Computer Ethics	
CIS 420A Information Systems Project I	
CIS 420B Information Systems Project II	
UPPER DIVISION ELECTIVES REQUIREMENTS (3 courses; 13.5 quarter units) Select three courses from the following:	
CIS 430 Web / EB Design and Development	CIS 455 Wide Area Network
CIS 460 Human Factor / Ergonomic Design	CIS 474 Information Systems Security
CIS 434 Wireless LAN Administration	CIS 475 IS Security Technology
CIS 454 Local Area Network	
Concentration in Business Management Business Management Concentration is 4 Courses from Business (Business Courses will allow students to obtain the needed skills listed below)	
MGT 309 Prin. Of Mgmt & Organizations	MGT 483 E-Business
BIM 400 Info Mgmt in Organizations	AND select 1 Upper- division undergraduate business
ADDITIONAL REQUIREMENTS	
Upper Division General Education 1 course, 4.5 quarter units	

Note: These requirements are subject to change. Please see the [National University's Online General Catalog](#) for official record of requirements for the year you are admitted. **May 2023**