

Computer Information Systems - Business Systems Analysis Option (CIS.BSA.AAS)

Computer Information Systems - Business Systems Analysis Option (CIS.BSA.ONL.AAS) - 100% Online

Associate in Applied Science

Business, Management, Marketing and Technology

Auburn Hills Campus

The Computer Information Systems (CIS) associate degrees are designed for students who need general education (e.g., communication, science, mathematics, fine arts, social science) combined with a solid foundation in the fundamental computer skills that are generally required to design, create, and test software, or analyze business system requirements and design solutions, or support and protect the operation of technology resources. These fundamental computer skills are commonly required by most four-year educational programs that offer the types of bachelor degrees most employers look for when hiring information technology professionals. All CIS courses use current computer tools and place an emphasis on practical application to provide a relevant learning environment.

Program Webpage - Click Here (<https://www.oaklandcc.edu/programs/cis/businessanalysis.aspx>)

Program Plan Example - Click Here (<https://www.oaklandcc.edu/programs/plans/cis.bsa.aas.pdf>)

Program Outcomes – Click Here (<https://www.oaklandcc.edu/programs/outcomes/CIS.BSA.AAS.ProgramOutcomes.pdf>)

Code	Title	Credit Hours
Major Requirements		
CIS 1050	Personal Computer Productivity Tools	4
CIS 1060	Personal Computer Spreadsheet Concepts	3
CIS 1200	Introduction to Database Systems	4
CIS 1300	Networking Concepts	4
CIS 2111	Systems Analysis and Design (UML)	4
CIS 2115	Business Analysis and Processes	4
CIS 2120	Problem Solving and Information Technology	4
CIS 2212	Project Management	4
CIS 2313	E-Business and E-Commerce	4
CIS 2637	Big Data and NoSQL Systems	3

Required Supportive Courses		
ACC 1500	Accounting for the Small Business Owner	3
BUS 1100	Introduction to Business	4
ENG 1510 ¹ or ENG 1510E	Composition I Composition I Enhanced	3-4 4
ECO 2610 ¹	Principles of Macroeconomics	3
MAT 1580 ¹	Statistics	4
PHI 1710 ¹	Introduction to Informal Logic	3

Complete one of the following ENG courses:

ENG 1520 ¹ or ENG 2200 ¹	Composition II Professional Communication	3 4
--	--	--------

Total Credit Hours for Program-Related Courses **61-62**

General Education Requirements

Communication / English (3-credits)	Satisfied
Fine Arts / Humanities (3-credits)	Satisfied
Mathematics / Science (3-credits)	Satisfied
Social Science (3-credits)	Satisfied
Written Communication (3-credits)	Satisfied

Additional elective credits needed to meet requirements for an Associate in Applied Science degree **0-1**

Total Credit Hours **62-63**

¹ Course may be used to meet General Education requirements.

A minimum cumulative 2.00 grade point average (GPA) overall is required for graduation.