

Associate in Applied Science (67 semester hours)

The Computer Technology major (“continuation option”), is designed for students who wish to earn an associate degree in computing and ultimately obtains a bachelor's degree in a related major at the Oxford Campus. Students will complete an Associate Degree in Applied Science by taking approximately half of the courses for one of several computing-related bachelor’s degree majors. Please see an advisor for specific majors and requirements. After completing the associate degree, students may relocate to the Oxford Campus and continue with junior standing. Students who wish to find employment after completing this associate degree are prepared for positions such as computer programmers and system support personnel.

Program Requirements (67 semester hours):

First Year

EAS 101	Computing, Engineering and Society (1)
or CSA 171	Introduction to Computer Science and Systems Analysis (1)
ENG 111	Composition (MPF I) (3)
ENG 112	Composition and Literature (MPF I) (3)
COM 135	Public Expression and Critical Inquiry (MPF IIB) (3)
MTH 151 (MPF V), 251	Calculus I, II (5, 4)
CSA 174	Fundamentals of Programming and Problem-Solving (3)
CSA 271	Object-Oriented Programming (3)
Miami Plan	U. S. Cultures elective (MPF IIIA) (3)
Miami Plan	Science elective (MPF IVA or MPF IVB) (6)*

Second Year

ECO 201	Principles of Economics (MPF IIC) (3)
CSA 283	Data Communications and Networks (3)
MTH 231	Elements of Discrete Mathematics (3)
Miami Plan	Fine Arts elective (MPF IIA) (3)
Miami Plan	Fine Arts, Humanities or Social Science elective (MPF II A, B or C) (3)
Miami Plan	World Cultures elective (MPF IIIB) (3)
Miami Plan	Science elective (MPF IV A or B) (6)*
CSA electives (choose any 3 courses from CSA 273, 274, 275, 278, 285; ECE 287)** (9)	
or a student may substitute a 300 level CSA course for one of the listed electives.	

SEE REVERSE SIDE FOR DESCRIPTION OF NOTES (* and **)

NOTES:

* The science requirement for a major in Computer Science or a major in Systems Analysis requires 12 total hours and completion of the Miami Plan science requirements. One of the following science sequences in natural science (12-13 hours) must be taken:

PHY 181-183 and 182-184 plus a Miami Plan Biological Science

or

CHM 137 or 141, and 142, 144, 145 plus a Miami Plan Biological Science

or

BOT/MBI/ZOO 115, 116 plus a Miami Plan Physical Science

A total of at least 12 hours of natural sciences is required.

Students should consult with their academic advisor to identify the appropriate science courses to fulfill all requirements.

** CSA 200-level electives: Students should check the Miami Bulletin to ensure they take the proper prerequisites for these CSA 200-level courses. When choosing these electives, students should be aware of the following information (in table below) relative to the CSA bachelor's degree requirements for a major in Computer Science (CS) or Systems Analysis (SA). Consult with an advisor for more information.

Elective course	SA Major	CS Major
CSA 273	Required	N/A
CSA 274	Required	Required
CSA 275	Elective	N/A
CSA 278	Required	Required
CSA 285	Elective	Elective
ECE 287	N/A	Elective