

Roadmap: Bachelor of Science – Computer Science
College of Arts and Sciences

Note: Courses are often updated to ensure that they stay current. This roadmap may be modified to reflect recent curricular changes.

ANGLO AMERICAN UNIVERSITY - PRAGUE

Semester One – 15 credit hours

Composition 1	(3)
Algebra for Calculus	(3)
Intro to Computer Applications	(3)
Introduction to Sociology	(3)
European Music History Appreciation	(3)

Semester Two – 16 credit hours

Composition 2	(3)
Trigonometry	(3)
World History II	(3)
Intro to Microeconomics	(3)
Computer Science 1A: Procedural Programming	(2)
Computer Science 1B: Object Oriented Programming	(2)

Semester Three – 18 credit hours

Analytic Geometry and Calculus I	(5)
Intro to Macroeconomics	(3)
Computer Science II: Data Structures and Abstraction	(4)
Discrete Structures for CS	(3)
Seven Ideas that Shook the Universe	(3)

Semester Four – 15 credit hours

Cloud Systems Computing	(3)
My Story on the Web	(3)
Public Speaking	(3)
Comparative Religion	(3)
Society, Culture, and the Digital Sciences	(3)

KENT STATE – KENT CAMPUS

Semester Five – 16 credit hours

First Year Experience	(1)
Computer Architecture	(3)
Operating Systems	(3)
Human Interface Computing	(3)
Upper Division Elective	(3)
Brief Calculus II	(3)

Semester Six – 15 credit hours

Structure of Program Languages	(3)
Introduction to Database Systems Design	(3)
Computer Science III	(3)
Computer Science Upper Division Electives	(3)
Applied Linear Algebra	(3)

Semester Seven – 12 credit hours

Computer Communication Networks	(3)
Software Engineering	(3)
Design and Analysis of Algorithms	(3)
Decision-Making Under Uncertainty	(3)

Semester Eight – 17 credit hours

Capstone Project	(4)
Computer Science Upper Division Electives	(9)
Kent Core Basic Science	(3)
Kent Core Basic Science Lab	(1)