



Southwestern College
CSU Associate Degree for Transfer (ADT)
Transfer Preparation
2016-2017

Associate of Science in **Computer Science** for Transfer (Major Code: 01185)

Most careers in computer science require a bachelor's degree, and some require a graduate-level degree. The coursework for this associate degree prepares students who plan to transfer and major in computer science with the lower-division computer programming and mathematics coursework required by most colleges and universities. The program of study listed below is for students interested in the programming or software aspect of computer science. It is designed to provide a strong foundation in mathematics, programming methodology and skills, and computer organization.

Southwestern College Course	Title	Units
Required CORE: (29 units)		29
MATH 130	Introduction to Computer Programming	3
MATH 140	Data Structures and Algorithms	3
MATH 230	Computer Organization and Architecture	3
MATH 265	Discrete Mathematics	3
MATH 250	Analytic Geometry and Calculus I	5
MATH 251	Analytic Geometry and Calculus II	4
PHYS 270	Principles of Physics I	3
PHYS 271	Principles of Physics Laboratory I	1
PHYS 272	Principles of Physics II	3
PHYS 273	Principles of Physics Laboratory	1
Total units		29

To earn an associate degree, additional General Education and proficiency/unit requirements must be completed.