

Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, Santa Cruz
2022-2023 General Catalog, Quarter

From: De Anza College
2022-2023 General Catalog, Quarter

Technology and Information Management Minor

GENERAL INFORMATION FOR ALL MINORS

UC Santa Cruz students have the option to complete one or more minors, provided they complete all of the required coursework for the minor(s). The sponsoring department establishes the course requirements for a minor. The minor involves substantial work in the discipline and requires no fewer than 25 upper-division or graduate credits. The minor appears on the student's official transcript but not on the diploma.

Students do not apply for admission into a minor when applying to UC Santa Cruz. If interested in completing a minor, transfer students must contact the department sponsoring the minor after enrolling at UCSC.

TECHNOLOGY AND INFORMATION MANAGEMENT MINOR

Please visit the department's website to learn more about this minor: <https://engineering.ucsc.edu/departments/computer-science-and-engineering>

PREPARATION FOR THE MINOR

TIM 50: Business Information Systems

TIM 58: Systems Analysis and Design

One of the following courses:

CSE 20: Introduction to Programming in Python **OR**

CSE 30: Programming Abstractions: Python

Plus one of the following calculus sequences:

AM 11A/ECON 11A: Mathematical Methods for Economists I **AND**

AM 11B/ECON 11B: Mathematical Methods for Economists II

OR

MATH 11A: Calculus with Applications **AND**

MATH 11B: Calculus with Applications

OR

MATH 19A: Calculus for Science, Engineering, and Mathematics **AND**

MATH 19B: Calculus for Science, Engineering, and Mathematics

PREPARATION FOR THE MINOR

TIM 50 - Business Information Systems (5.00)	←	CIS 3 - Business Information Systems (4.50)
TIM 58 - Systems Analysis and Design (5.00)	←	No Course Articulated
CSE 20 - Beginning Programming in Python (5.00)	←	CIS 40 - Introduction to Programming in Python (4.50) --- Or --- CIS 41A - Python Programming (4.50)
	--- Or ---	
CSE 30 - Programming Abstractions: Python (7.00)	←	CIS 22C - Data Abstraction and Structures (4.50) • Minimum grade required: B or better --- Or --- CIS 22CH - Data Abstraction and Structures - HONORS (4.50) • Minimum grade required: B or better

Select 1 Sequence(s) from the following

AM 11A - Mathematical Methods for Economists I (5.00)
Same-As: ECON 11A



MATH 12 - Introductory Calculus for Business and Social Science (5.00)

--- And ---

AM 11B - Mathematical Methods for Economists II (5.00)
Same-As: ECON 11B



No Course Articulated

--- Or ---

MATH 11A - Calculus with Applications (5.00)



MATH 1A - Calculus (5.00)

--- Or ---

MATH 1AH - Calculus - HONORS (5.00)

--- And ---

MATH 11B - Calculus with Applications (5.00)



MATH 1B - Calculus (5.00)

--- And ---

MATH 1C - Calculus (5.00)

--- Or ---

MATH 1BH - Calculus - HONORS (5.00)

--- And ---

MATH 1CH - Calculus - HONORS (5.00)

--- Or ---

MATH 19A - Calculus for Science, Engineering, and Mathematics (5.00)



MATH 1A - Calculus (5.00)

--- Or ---

MATH 1AH - Calculus - HONORS (5.00)

--- And ---

MATH 19B - Calculus for Science, Engineering, and Mathematics (5.00)



MATH 1B - Calculus (5.00)

--- And ---

MATH 1C - Calculus (5.00)

--- Or ---

MATH 1BH - Calculus - HONORS (5.00)

--- And ---

MATH 1CH - Calculus - HONORS (5.00)

END OF AGREEMENT