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 B.S.

GENERAL INFORMATION FOR ALL MAJORS

All transfer applicants must satisfy University of California admissions eligibility requirements as well as meet campus selection criteria. All admission requirements must be completed by the end of spring prior to transfer. For more information on UC admissions eligibility requirements and admission to UC Santa Cruz, please visit the Admissions website: https://admissions.ucsc.edu/attend-ucsc/transfer-students.

This articulation agreement lists course-to-course, sequence-to-sequence or requirement substitutions for preparation in the major. **Transfer students are strongly encouraged to complete as many major preparatory courses as possible prior to enrolling at UCSC. Completion of all major preparatory courses is not an admissions requirement, but some majors require certain courses to be completed prior to transfer with a specified GPA, and completion or near completion of major preparatory courses will help students move more efficiently toward graduation after transfer.**

UC Santa Cruz Advanced Placement (AP) and International Baccalaureate (IB) credit policies are detailed in the link below:

UC Santa Cruz AP/IB Chart 2022-2023

TECHNOLOGY AND INFORMATION MANAGEMENT B.S.

Please visit the department's website to learn more about this major: https://undergrad.soe.ucsc.edu

ADMISSION SELECTION CRITERIA

To be considered for admission to the Technology and Information Management B.S. major, transfer students must have completed equivalents of at least six of the following courses with a minimum GPA of 2.40 in the courses attempted (note: all lower-division requirements completed will be counted toward the GPA):

CSE 12: Computer Systems and Assembly Language and Lab

CSE 13S: Computer Systems and C Programming

CSE 16: Applied Discrete Mathematics

CSE 30: Programming Abstractions: Python

TIM 50: Business Information Systems

ECON 1: Introductory Microeconomics: Resource Allocation and Market Structure

ECON 2: Introductory Macroeconomics: Aggregate Economic Activity

ECON 10A: Economics of Accounting

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

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

MATH 22: Introduction to Calculus of Several Variables **OR** MATH 23A: Vector Calculus **OR** AM 30: Multivariate Calculus for Engineers

Students who wish to graduate in two years are strongly recommended to complete all screening courses except TIM 50, CSE 12, and CSE 13S, as well as most general education requirements before coming to UC Santa Cruz.

THIS IS A SCREENING MAJOR. For more information on screening major requirements please visit the Admissions website: https://admissions.ucsc.edu/posts/screening-major-selection-criteria

MAJOR PREPARATION COURSES REQUIRED FOR TRANSFER

Select 6 or more Course(s) from the following		
CSE 12 - Computer Systems and Assembly Language and Lab (7.00)	←	**CIS 21JA** - Introduction to x86 Processor Assembly Language and Computer Architecture (4.50) **--- Or ---** **CIS 21JB** - Advanced x86 Processor Assembly Programming (4.50)

CSE 13S - Computer Systems and C Programming (7.00)	←	**CIS 22B** - Intermediate Programming Methodologies in C++ (4.50) **--- Or ---** **CIS 22BH** - Intermediate Programming Methodologies in C++ - HONORS (4.50) **--- Or ---** **CIS 26A** - C as a Second Programming Language (4.50)
CSE 16 - APPLIED DISCRETE MATHEMATICS (5.00)	←	**MATH 22** - Discrete Mathematics (5.00) **--- Or ---** **MATH 22H** - Discrete Mathematics - HONORS (5.00)
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*
TIM 50 - Business Information Systems (5.00)	←	**CIS 3** - Business Information Systems (4.50)
ECON 1 - Introductory Microeconomics: Resource Allocation and Market Structure (5.00)	←	**ECON 2** - Principles of Microeconomics (4.00) **--- Or ---** **ECON 2H** - Principles of Microeconomics - HONORS (4.00)
ECON 2 - Introductory Macroeconomics: Aggregate Economic Activity (5.00)	←	**ECON 1** - Principles of Macroeconomics (4.00) **--- Or ---** **ECON 1H** - Principles of Macroeconomics - HONORS (4.00)
ECON 10A - Economics of Accounting (5.00)	←	**ACCT 1A** - Financial Accounting I (5.00) **--- Or ---** **ACCT 1AH** - Financial Accounting I - HONORS (5.00)
MATH 19A - Calculus for Science, Engineering, and Mathematics (5.00)	←	**MATH 1A** - Calculus (5.00) **--- Or ---** **MATH 1AH** - Calculus - HONORS (5.00)
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)

MATH 22 - Introduction to Calculus of Several Variables (5.00)	←	**MATH 1C** - Calculus (5.00) **--- And ---** **MATH 1D** - Calculus (5.00) **--- Or ---** **MATH 1CH** - Calculus - HONORS (5.00) **--- And ---** **MATH 1DH** - Calculus - HONORS (5.00)
--- Or ---		
MATH 23A - Vector Calculus (5.00)	←	**MATH 1D** - Calculus (5.00) **--- Or ---** **MATH 1DH** - Calculus - HONORS (5.00)
--- Or ---		
AM 30 - Multivariate Calculus for Engineers (5.00)	←	**MATH 1D** - Calculus (5.00) **--- Or ---** **MATH 1DH** - Calculus - HONORS (5.00)

ADDITIONAL MAJOR PREPARATION COURSES

AM 10 - Mathematical Methods for Engineers I (5.00)	←	**MATH 2B** - Linear Algebra (5.00) **--- Or ---** **MATH 2BH** - Linear Algebra - HONORS (5.00)
--- And ---		
AM 20 - Mathematical Methods for Engineers II (5.00)	←	**MATH 2A** - Differential Equations (5.00) **--- Or ---** **MATH 2AH** - Differential Equations - HONORS (5.00)
--- Or ---		
MATH 21 - Linear Algebra (5.00)	←	**MATH 2B** - Linear Algebra (5.00) **--- Or ---** **MATH 2BH** - Linear Algebra - HONORS (5.00)
--- And ---		
MATH 24 - Ordinary Differential Equations (5.00)	←	**MATH 2A** - Differential Equations (5.00) **--- Or ---** **MATH 2AH** - Differential Equations - HONORS (5.00)
TIM 58 - Systems Analysis and Design (5.00)	←	No Course Articulated
STAT 7 - Statistical Methods for the Biological, Environmental, and Health Sciences (5.00)	←	No Course Articulated
--- And ---		
STAT 7L - Statistical Methods for the Biological, Environmental, and Health Sciences Laboratory (2.00)	←	No Course Articulated

END OF AGREEMENT