Technology & Information Management B.S. Degree
2019-2020 Curriculum Chart

CSE 20
Beg Programming
In Python

CSE 30
Programming
Abstractions: Python

*MATH 19A OR MATH 20A
Calculus OR Honors Calculus

ECON 1
Microeconomics

ECON 2
Macroeconomics

ECON 10A
Economics of Accounting

*CSE 12/L
Computer Systems
and Assembly Language

Math 10A or 20A
CSE 16
Discrete Math

*MATH 19B OR MATH 20B
Calculus OR Honors Calculus

* ECON 100A
Intermediate Microeconomics

OR

* ECON 100M
Intermediate Microeconomics
(Math Intensive)

STAT 5
Statistics

* ECON 113
Econometrics

CSE 50
Business Information Systems

Upper Division
School Of Engineering
Elective**

Upper Division
School of Engineering
Elective**

*CSE 150/L
Introduction to
Computer Networks

*MATH 22
Calculus of Several
Variables

OR

*MATH 23A
Vector Calculus

* AM 10 AND *AM 20
Eng. Math Methods I & II

% MATH 19B OR 20A
Calculus

* MATH 20B
Honors Calculus

CSE 175
Management of
Technology I

CSE 171B
Management of
Technology II

CSE 170
Management of Technology
Seminar (2 units)

Comprehensive Requirement
Completion of CSE 171A, CSE 171B and CSE 175 satisfies the comprehensive requirement

* Check catalog/SoE course descriptions for prerequisites
** See back
♣ May substitute AM 10 and AM 20 with Math 21 and Math 24, Linear Algebra & Differential Equations.
# CSE 175 satisfies the DC requirement
% Students with no prior programming experience are strongly recommended to take course CSE 20, CSE 10, or equivalent before taking this class.

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School of Engineering Electives:

For the School of Engineering electives, your choices are any 5-unit upper division or graduate School of Engineering courses, with these exceptions: You can take STAT 131 or CSE 107, but not both, and at most one independent study or field-study (with prior approval from the Department) to be used as an elective.

Economics Electives:
The following Economics courses are not required but strongly recommended for TIM majors:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>Econ 100B</td>
<td>Intermediate Macroeconomics</td>
</tr>
<tr>
<td>Econ 101</td>
<td>Managerial Economics</td>
</tr>
<tr>
<td>Econ 115</td>
<td>Introduction to Management Sciences</td>
</tr>
<tr>
<td>Econ 130</td>
<td>Money and Banking</td>
</tr>
<tr>
<td>Econ 131</td>
<td>International Financial Markets</td>
</tr>
<tr>
<td>Econ 133</td>
<td>Security Markets and Financial Institutions</td>
</tr>
<tr>
<td>Econ 135</td>
<td>Corporate Finance</td>
</tr>
<tr>
<td>Econ 136</td>
<td>Business Strategy</td>
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</tbody>
</table>

Notes:
- All students admitted to a School of Engineering major, or seeking admission to a major, must take all courses required for that major for a letter grade.
- Courses in which you receive a grade of C-, D+, D, or D- earn credit toward graduation, but cannot be used to satisfy a major requirement or a general education requirement, and cannot satisfy a prerequisite for another course.
- The School of Engineering has different major declaration deadlines than the UCSC Academic/Administrative calendar. Our deadlines and process can be found on: [http://undergrad.soe.ucsc.edu/declare-your-major](http://undergrad.soe.ucsc.edu/declare-your-major)

STUDENT’S NAME:

STAFF ADVISOR:

FACULTY ADVISOR: