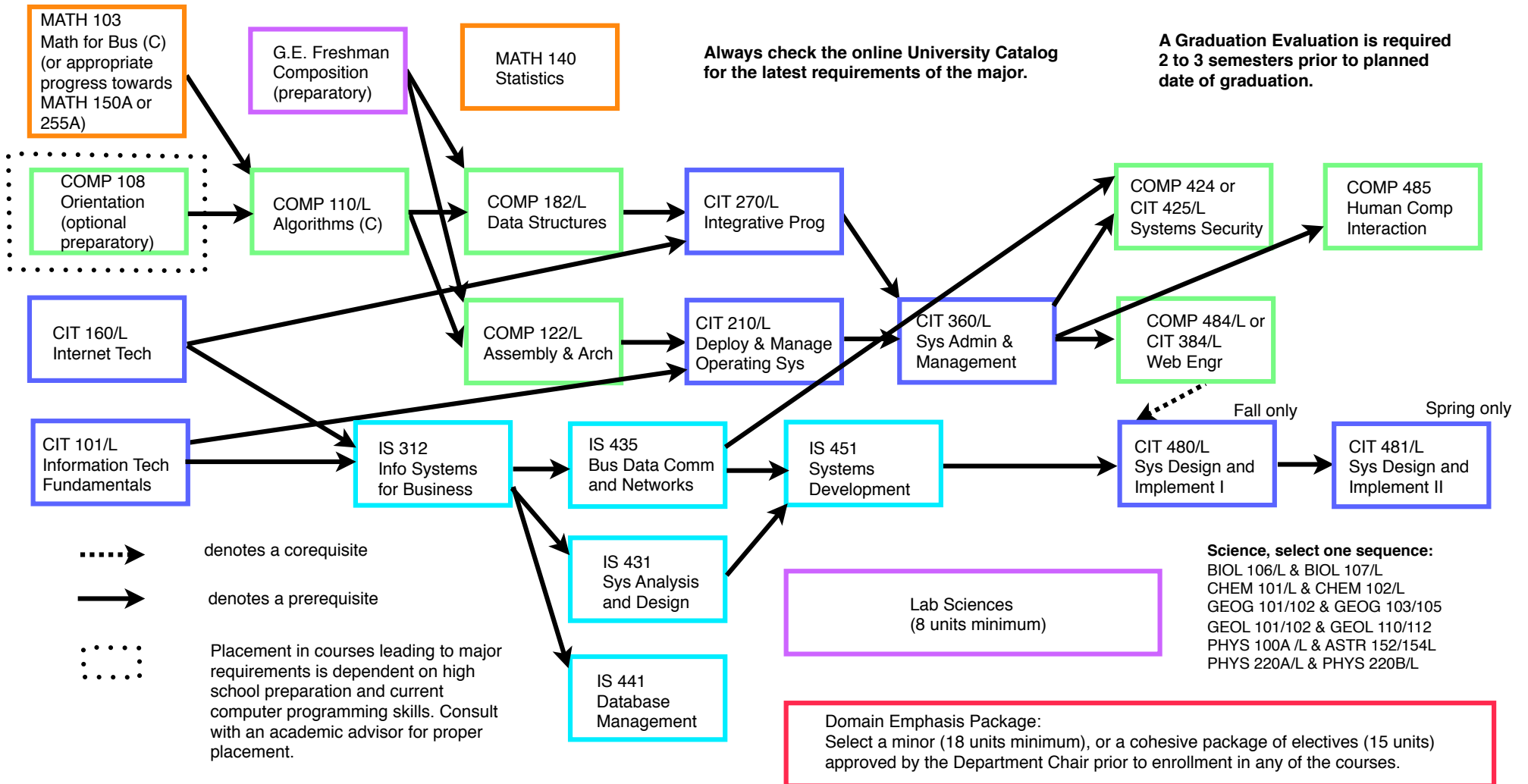


CSU Northridge, Computer Science Department

COMPUTER INFORMATION TECHNOLOGY MAJOR

2019-20 Catalog Requirements



.....> denotes a corequisite
 —> denotes a prerequisite

..... Placement in courses leading to major requirements is dependent on high school preparation and current computer programming skills. Consult with an academic advisor for proper placement.

Must receive "C-" or better in all courses attempted at CSUN that are required by major unless otherwise stated; courses marked with (C) require "C" or better when taken at CSUN. All transfer courses must be "C" or better.

Domain Emphasis Package:
 Completion of a minor or a cohesive package of courses approved by the student's faculty advisor and the Computer Science Department Chair. Courses offered by the Department of Computer Science and the College of Business and Economics may not be used to satisfy this requirement.
 Cohesive packages must consist of 15 units with no more than 6 of those units at the lower division level and must be approved by the Computer Science Department Chair prior to enrollment in any course contained in the package.

Computer Information Technology B.S. degree (120 units)

The required units are divided into:

Computer Information Technology Core	
Lower Division.....	24 units
Upper Division.....	33 units
Mathematics.....	6 units
Lab Sciences.....	8-10 units
Domain Emphasis Package.....	15-18 units
General Education/U.S. History/Government....	30 units
Free Elective Units.....	0-4 units

Lab Science Requirements (8-10 units)

Select one of the following **two semester lab science course sequences**:

BIOL 106/L & BIOL 107/L
CHEM 101/L & CHEM 102/L
GEOG 101/102 & GEOG 103/105
GEOL 101/102 & GEOL 110/112
PHYS 100A/L & ASTR 152/154L
PHYS 220A/L & PHYS 220B/L

Note: majors under General Education Plan E are required to complete both a life science course and a physical science course. The sequence GEOL 101/102 & GEOL 110/112 satisfies G.E. Plan R requirements in these two areas. All other sequences will satisfy just one of the G.E. Plan R requirements, resulting in the need to take a third G.E. science course (lecture only) in the G.E. science area not met. CIT majors under G.E. Plan R will meet all G.E. science requirements by taking one of the above two-course sequences.

Grade and Degree Requirements in the Major

(Current catalog year course prerequisite requirements apply to all major course work not yet completed; major degree requirements are determined by the catalog year of the major; always apply the higher of the two standards.)

A. Transfer courses

“C” or better for all transfer courses

B. Courses taken at CSUN - rules depend on the academic year of the University

Catalog of your major [2019-2020 means from August 2019 through July 2020]; consult with the Dept Office if your catalog year is not listed; although every attempt has been made to accurately represent the following information, your responsibility is to follow the rules that appear in the appropriate University Catalog for the year of your major appearing in your DPR report.

1. **2015-2019 Catalog years:** CIT 384/L and 425/L offered as alternatives to COMP 484/L and 424 requirements respectively.
2. **2019-2020 Catalog year:** campus adoption of G. E. Plan E requires students to take a life science course and physical science course which can result in CIT majors needing a third science course.

C. Overall GPA requirements (to stay in good academic standing and for graduate)

1. 2.0 or higher overall GPA for all courses taken at CSUN
2. 2.0 or higher overall GPA for all courses taken (combination of CSUN & transfer)
3. 2.0 or higher overall GPA for all upper division courses required by the major

A First Year Sequence for Freshmen Needing Preparatory Courses (Taken as part of the preparatory sequence appearing on the other page. The preparatory sequence may extend the four-year program by a year. Check with your academic advisor regarding the proper course sequence.)

Semester 1:	Semester 2:
MATH 103 prep course	MATH 103
Stretch English	Stretch English or G.E. Fresh. Comp.
G.E. course	COMP 108
G.E. course	CIT 101/L

Domain Emphasis Package (15+ units)

We recommend that students majoring in CIT first consider declaring a formal minor to satisfy the CIT Domain Emphasis requirement. The only restriction on minor is that it cannot be a minor in Computer Science and it cannot be from any department within the College of Business and Economics. One advantage of declaring a formal minor that students should note is that a formal minor is named along with the major on the diploma, while a domain emphasis package is not. But for a variety of reasons, students may decide against declaring a minor. In that case, students can satisfy the CIT Domain Emphasis requirement by defining a package of courses with the following guidelines.

- Must be a minimum of 15 units total
- A minimum of 9 units must be upper division (300 level or higher)
- Must be from a single department, cannot be a random selection of 5 courses from 5 different departments. Some exceptions are allowed, such as a package composed of courses from Art and Music, or Urban Studies and Sustainability. Other combinations may be allowed, but check with the department to get confirmation in advance.
- A minimum grade of C- or better for courses taken at CSUN. Transfer courses can be included in the package, but transfer courses must have a minimum grade of C or better. Also, transfer courses from a community college can only count as lower division courses, they cannot be used as part of the requirement for 9 units upper division.
- Courses in a domain emphasis package cannot double count with the CIT science elective. For example, if you use courses from GEOG or GEOL to satisfy the CIT science elective and you also declare a CIT domain emphasis in the same department, you cannot use the same course in both sections. In contrast, A&R does allow double counting between the CIT science elective and a formal minor. When considering the difference between a minor and a domain emphasis package, note that declaring a formal minor opens the door to more opportunity for double counting. Furthermore, the minimum acceptable grade for a minor may be lower than the C- required by the domain emphasis package. A course with a grade of D might count toward a minor, while it won't count toward a CIT domain emphasis package. Seek advice from the department offering the minor to confirm any questions about their grade policies.