

CSE Undergraduate University Bulletin Supplement

April 22, 2022

The University Undergraduate Bulletin is available at:

<https://www.stonybrook.edu/sb/bulletin/current/academicprograms/cse/degreesandrequirements.php>

Some information we have on the department websites (both SBU and SUNUK) may not be up-to-date. When in doubt, please go by the Bulletin.

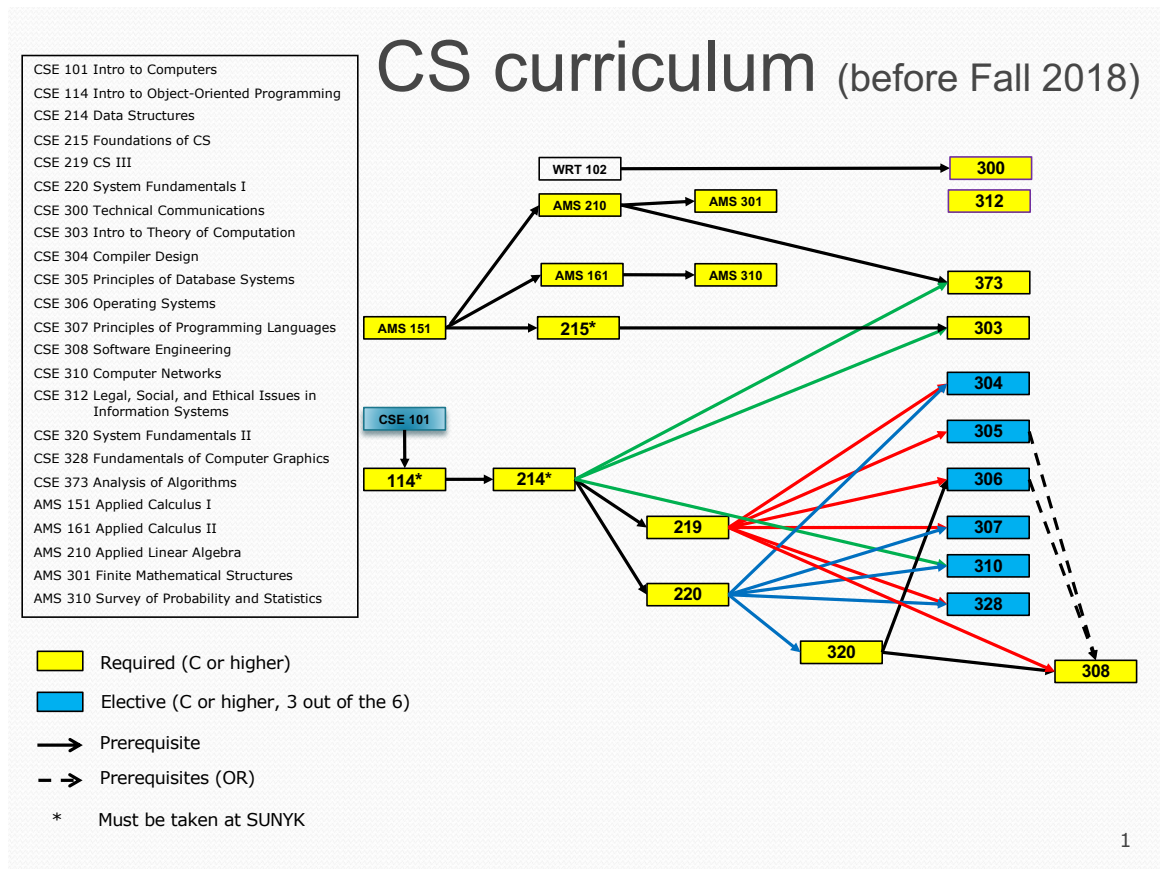
Additional information that will be useful but not explicitly mentioned in the Bulletin includes the following:

1. Visiting SBU for a year requires the following:
 - a. Students matriculated before Fall 2021:
 - i. Must have a cumulative GPA of 2.0 or above.
 - ii. Must have a grade of C or higher in WRT 101, CSE 114, CSE 214, CSE 215 at SUNY Korea.
 - iii. May choose to visit SBU during the sophomore, junior, or senior year.
 - b. Students matriculating in Fall 2021 and beyond:
 - i. Must have a cumulative GPA of 2.0 or above.
 - ii. Must attend SBU the Fall semester immediately after passing the following courses with a grade of C or better at SUNY Korea: WRT 101, CSE 214, and CSE 215. Furthermore, they must attend SBU during their sophomore year or beginning of their junior year. [Students who have successfully completed courses beyond CSE 214/215 at SUNY Korea must work with their SUNY Korea CSE Faculty Advisor and SBU CSE Undergraduate Program Coordinator when enrolling in courses at SBU.]
 - iii. While at SBU, students are required to complete four of the following courses: CSE 216, CSE 220, CSE 303, CSE 310, CSE 316, CSE 320, and CSE 373.
2. For students at SUNY Korea all courses completed at SUNY Korea are considered as having been taken at Stony Brook.
3. Upper-division includes 300- and 400-level courses.
4. Prerequisite enforcement: For all CSE and MATH/AMS courses that make up your program of study toward your CSE degree, we strictly enforce prerequisites without exception.
5. For CSE graduation purposes all CSE courses and MATH/AMS courses must be completed with a grade of C or higher.
6. CSE 487 (Research in Computer Science) can cover one of the three upper-level CSE technical electives required for the CSE major, provided it carries at least three credits. The course can be repeated and credits can be spread over more than one semester. For example, if a student takes CSE 487 for two credits in the Fall

semester and again for one credit in the Spring semester, the combination would be considered as one technical elective.

7. SUNY Korea does not have undeclared majors or pre-majors. Since transfer students to SUNY Korea have to be admitted to a major at the time of transfer, we allow direct admission of qualified transfer students to CSE at SUNY Korea, effective Fall 2017.
8. One of the grading options that are available to you is GPNC (Graded/Pass/No Credit Option). Consider using it if you foresee any difficulty with a course and *if the course may be taken with that option*.
9. In case of changes to graduation requirements we allow students to follow the new requirements. We ask students who want to change their *major requirement date* to submit a corresponding request to the department coordinator, so that s/he can request to update the information on the student's official record. (Students can have different dates for major and general university requirements, respectively.) This will ensure that the degree progress reports, which are based on the official requirement dates, are accurate. For example, many CSE majors have changed to the Fall 2016 requirements, to take advantage of the increased flexibility in the natural science part of the general university requirements.
10. CSE majors pursuing a BS/MS joint program may visit SBU during their senior year if they are allowed to visit during the senior year and stay another year (fifth year) to complete their MS degree. After the first year at SBU they would have to visit the VIS Office to change their program to the MS program. If a student visits SBU during his/her sophomore or junior year and come back to SUNY Korea, s/he may go back to SBU in his/her fifth year to complete the MS degree.
11. The two charts at the end of this document show the core CSE courses along with the MATH/AMS courses that make up the CS curriculum: the first one is the old and the second is the current one for students who have matriculated since Fall 2018.
12. AMS is planning on offering AMS 151, AMS 161, AMS 210, AMS 301, and AMS 310 every semester.
13. As you plan your courses, please see the prerequisite sequence of the courses that you will need to complete. The longest chain with the *current curriculum* (since Fall 2018) would be CSE 101-114-214-216-316-416. With the *old curriculum* (before Fall 2018) the longest chain would be CSE 101-114-214-(219 and 220)-320-306-308/416 if you choose to take CSE 306. If you choose to take CSE 305 instead of CSE 306, it would be CSE 101-114-214-219-305-308/416, but you would still have to take CSE 320 so you would also have to worry about this chain: CSE 101-114-214-220-320-308/416. Note that some courses are more demanding than others, so discuss your plan with your CS faculty advisor. We *strongly* recommend that you have an advising session with your faculty advisor prior to course registration each semester.
14. If you have any questions, please contact your CS faculty advisor, the undergraduate program director (Professor Amos Omondi, amos.omondi@sunykorea.ac.kr), the Associate Chair of the CS Department (Professor Amos Omondi, amos.omondi@sunykorea.ac.kr), or the Chair of the

CS Department (Professor Arthur Lee, alee@sunykorea.ac.kr). You can find your advisor in the list posted in the CS Commons or on the department website.

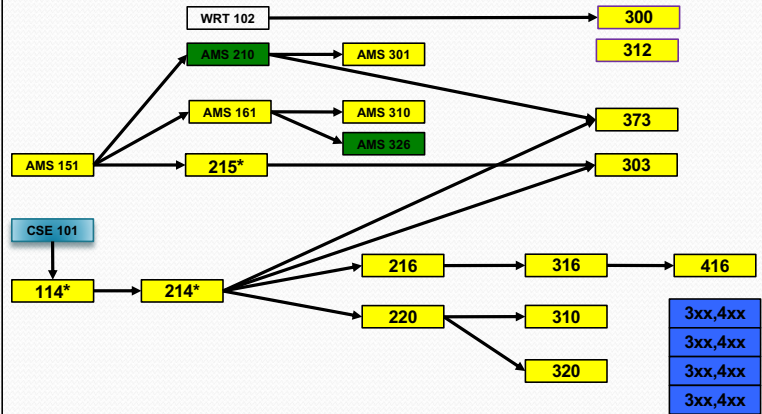


CS curriculum (Fall 2019)

CSE 101 Intro to Computers
 CSE 114 Intro to Object-Oriented Programming
 CSE 214 Data Structures
 CSE 215 Foundations of CS
 CSE 216 Programming Abstractions
 CSE 220 System Fundamentals I
 CSE 300 Technical Communications
 CSE 303 Intro to Theory of Computation
 CSE 310 Computer Networks
 CSE 312 Legal, Social, and Ethical Issues in Information Systems
 CSE 316 Fundamentals of Software Development
 CSE 320 System Fundamentals II
 CSE 373 Analysis of Algorithms
 CSE 416 Software Engineering

AMS 151 Applied Calculus I
 AMS 161 Applied Calculus II
 AMS 210 Applied Linear Algebra
 AMS 301 Finite Mathematical Structures
 AMS 310 Survey of Probability and Statistics
 AMS 326 Numerical Analysis

- Required
- 3xx, 4xx electives (4 courses)
- Prerequisite
- * Must be taken at SUNYK
- One of the two



Plan: 1xx, 2xx: offered every semester
 300, 312: once a year
 303, 310, 316, 320, 373, 416: at least once a year
 3xx, 4xx electives: whenever we can