CSE Undergraduate University Bulletin Supplement

August 25, 2019

The University Undergraduate Bulletin is available at:

http://sb.cc.stonybrook.edu/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 include the following:

1. Effective Fall 2017, only those CS majors who have already passed the following courses with a passing grade (C or higher) are eligible to visit Stony Brook University for a year: CSE 114 Introduction to Object-Oriented Programming, CSE 214 Data Structures, and CSE 215 Foundations of Computer Science.

2. For students at SUNY Korea all courses completed at SUNY Korea would be 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.

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 two credits 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 may choose to go to SBU for one year during their sophomore, junior, or senior year (effective April 1, 2017). A student who graduates at SBU earning a degree after having been there for at least two consecutive semesters may apply for OPT (Optional Practical Training).

11. CSE majors pursuing a BS/MS joint program may visit SBU during their 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 SUNYK, s/he can go back to SBU in his/her fifth year to complete the MS degree.

12. 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.

13. AMS is planning on offering AMS 151, AMS 161, AMS 210, AMS 301, and AMS 310 every semester.

14. As you plan your courses, please see the prerequisite sequence of the courses that you will need to complete. The longest chain with the old curriculum would be CSE 101-114-214-(219 and 220)-320-306-308 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, 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. With the current curriculum that started in Fall 2018, the longest chain would be CSE 101-114-214-216-316-416 and CSE 101-114-214-220-320-416. 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.

15. If you have any questions, please contact your CS faculty advisor, the undergraduate program director (Amos Omondi, amos.omondi@sunykorea.ac.kr), or the chair of the CS Department (Arthur Lee, alee@sunykorea.ac.kr). You can find your advisor in the list posted in CS Commons or on the department website.
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

WRT 102
AMS 152
AMS 301
AMS 310
AMS 312
AMS 373
AMS 416

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