

Date: January 4, 2021

Memorandum: Course Adjustments for Dual Majoring in SCS/SCY or SCY/SCS

Class of 2023 and beyond

Ref: AcDean INST 1531.59C

| SCS/SCY SCY/SCS | 4/c F | 4/ S | 3/c F | 3/c S | 2/c F | 2/C S | 1/c F | 1/c S | |
|---|----------|----------|-----------------------------------|----------------------------------|----------------------------------|--|------------------------|---------------------------------------|-----|
| Core | NS101, 2 | SY110, 3 | NN210, 2 | NE203, 3 | NL310, 3 | NN310, 2 | NL400, 2 | NS43X, 2 | |
| | SC111, 4 | SC112, 4 | SP211, 4 | SP212, 4 | EE301, 4 | | | EW300, 3 | |
| | SM121, 4 | SM122, 4 | SM223, 4 | | SM242, 4 | | | EW360/481X/ 482X, 1 | |
| | HE111, 3 | HE112, 3 | | | | | | | |
| | FP130, 3 | HH104, 3 | HH2XY, 3 | HH216, 3 | Hum/SS1, 3 | | | Hum/SS2, 3 | |
| | NL110, 2 | | | | | | | | |
| Division II | | | | | | EM300, 4 | | EA/N4XY, 4 | |
| SCS/SCY overlap / common courses | | | | SY204, 4 [IC221, 3] | IC312, 3 [SY301, 4] Note 3 | SY308, 3 [CS MJ EL1, 3] | | SY402, 3 [CS MJ EL 3, 3] Note 4 | |
| | | | | IC220, 3 [SY303, 4] Note 2 | SI340, 3 [SY4XX, 3] | | IC411, 3 [SY4XY, 3] | | |
| | | | | SY202, 3 [FREE EL, 3] | | | | | |
| SCS | | | IC210 or SI204, 4 | IC211, 3 | | SI335, 3 | IC470, 3 | IC480, 3 | |
| | | | | | | IC322, 3 Note 1, 5 | SI413, 3 | | |
| | | | | | | | CS MJ EL2, 3 | | |
| SCY | | | SY201, 4 | | | SY304, 3 | SY403, 3 | SY406, 3 | |
| | | | | | | SY306, 3 | SY401, 3 | | |
| | | | | | | SY310, 4 Note 1, 5 | | | |
| Credits for dual major | 18 | 17 | 21 | 23 | 20 | 25 | 23 | 19 | 166 |
| NSA-CAE- CO Note 1 | | | SY283N (SY205), 2 Note 1, 5 | | | SY488A (SY312), 4 [IC322, 3] [SY310, 4] Note 5 | | SY485J (SY416), 3 Note 1 | |
| Credits for dual major with NSA- CAE-CO designation | 18 | 17 | 23 | 23 | 20 | 22 | 23 | 22 | 168 |

[Blue] Courses from the SCY matrix that are replaced by the substitute shown in the same cell

[Red] Courses from the SCS matrix that are replaced by the substitute shown in the same cell

Note 1: Students interested in also completing the SCY NSA CAE-CO designation need to take an extra course, SY485J, 3 (future SY416) Reverse Engineering, and networking sequence SY283N, 2 (future SY205) Networking: Ops and Analysis + SY488A, 4 (future SY312) Digital and Mobile Communication instead of the networking courses SY310, 4 + IC322, 3 which should be taken by dual majors not interested in completing the SCY NSA CAE-CO designation

Note 2: (IC210, 4 or SI204, 4) + IC220, 3 count for SY303, 4 in SCY matrix

Note 3: IC211, 3 + IC312, 3 count for SY301, 4 in SCY matrix

Note 4: SY401, 3 + SY402, 3 count for CS MJ EL3, 3 in SCS matrix

Note 5: SY283N, 2 (future SY205)+ SY488A, 4 (future SY312) count for IC322, 3 in SCS matrix and for SY310, 4 in SCY matrix

From AcDean INST 1531.59C

To be awarded a second major, a midshipman must complete all the requirements in both majors. In the major course category of the second major, at least five of the courses, totaling a minimum of 15 semester credit hours, must be taken above and beyond the requirements of the primary major. At least four of these five courses must be at the 300 level or above.

Submitted: Computer Science Department Chair, CAPT Michael Bilzor 

Submitted: Cyber Science Department Chair, CAPT James Caroland _____

Approved: Associate Provost for Academic Affairs: Dr. Samara Firebaugh _____