

BS in Computer Science [Spring 2023]

- Arrows indicate prerequisite course(s)·
- All courses are 3 credit hours unless otherwise indicated·
- Shaded courses are Computing common core courses
- Rounded corner courses are taught by other departments·
- **48** · upper level hours and · **120** · total hours are required for graduation
- Pattern of typical offering: F=Fall, S=Spring, Su=Summer (subject to change)
- **Exit Requirement** : Must give spoken presentation in 3XXX or 4XXX computing courses.

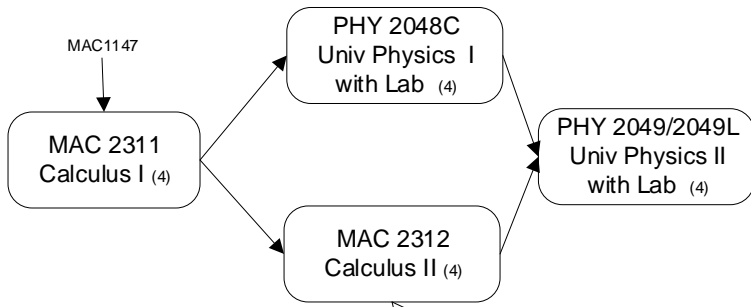
Requisites & Prerequisites (28 cr. hrs.)

SPC Speech or Public Speaking

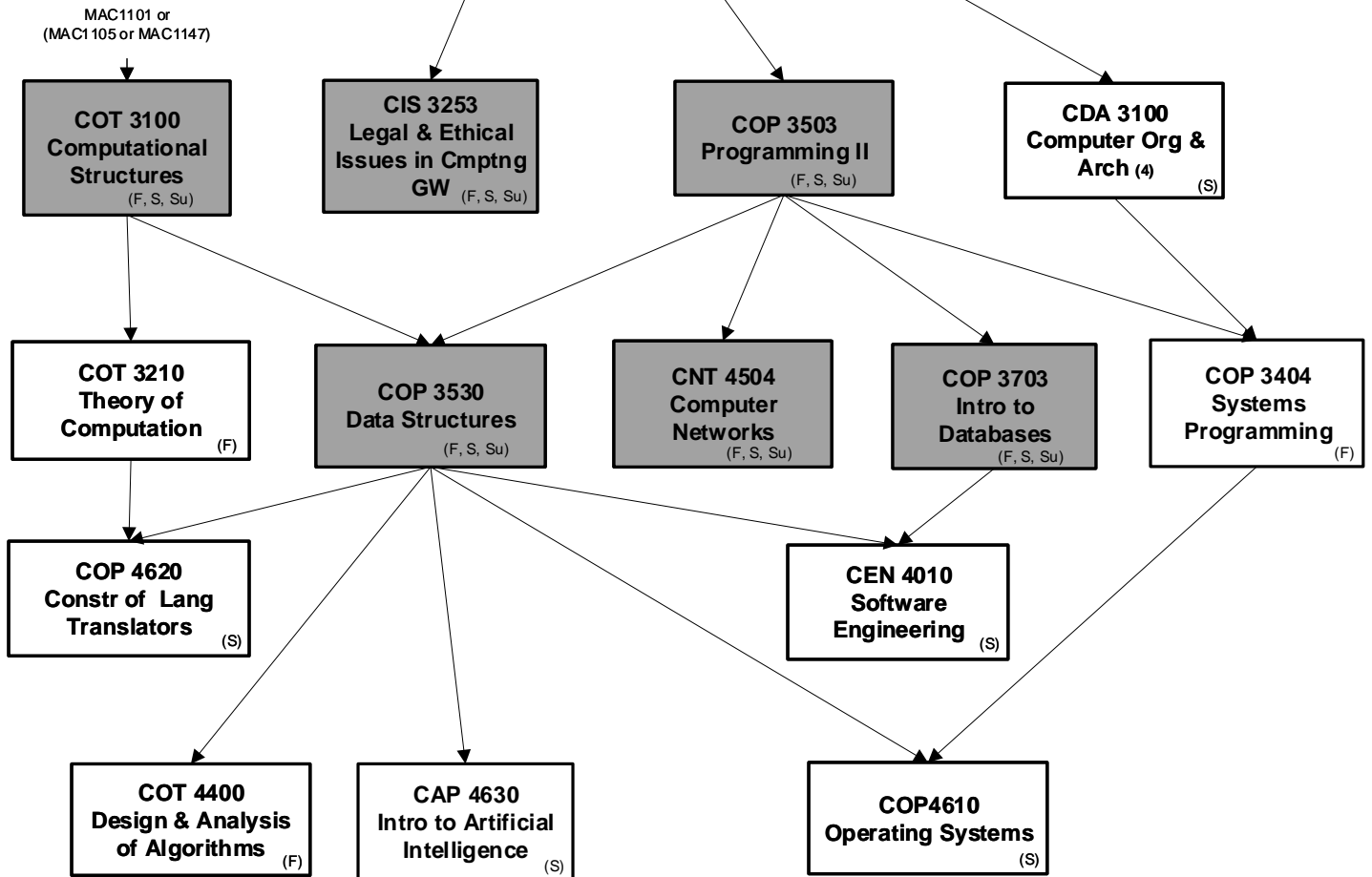
Science for science major

Science for science major

COP 2220 Programming I
(F, S, Su)

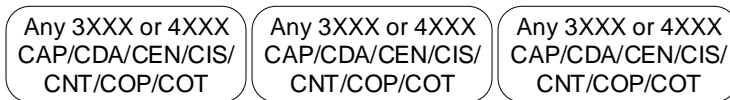


Common Core & Major Requirements (50 cr. hrs.)



Major Electives (9 cr. hrs.)

Select 9 credits of the following



Computer Science Class Flowchart.

BS in Computer Science [Spring 2023 Catalog]

- Requisites & Prerequisites – (7) (25 credit hours)
 - All courses are 3 credit hours unless otherwise indicated
 - 48 upper level hours and 120 total hours are required for graduation
 - Exit Requirement: Must give a spoken presentation in 3XXX or 4XXX Computing courses.
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- Speech or Public Speaking (SPC prefix); taught by another department
 - Science for Science major; taught by another department
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 - MAC2311 Calculus I; 4 credits; taught by another department; Prerequisites: MAC1147
 - MAC2312 Calculus II; 4 credits; taught by another department; Prerequisites: MAC2311 Calculus I
 - PHY2048C; 4 credits or PHY2048/2048L University Physics I with Lab; 5 credits; taught by another department; Prerequisites: MAC2311 Calculus I PHY2048C satisfies lecture and lab requirement.
 - PHY2049/2049L University Physics I with Lab; 4 credits; taught by another department; Prerequisites: PHY2049/2049L and MAC2312
 - COP2220 Programming I; fall, spring and summer
 - COT3100 Computational Structures; fall, spring and summer; Computing Common Core; Prerequisites: MAC1101 or MAC1105 or MAC1147
 - CIS3253 Legal & Ethical Issues in Computing; fall, spring and summer; Computing Common Core; Prerequisites: COP2220 Programming I
 - COP3503 Programming II; fall, spring and summer; Computing Common Core; Prerequisites: COP2220 Programming I
 - CDA3100 Computer Org & Arch; 4 credits; spring; Prerequisites: COP2220 Programming I
 - COT3210 Theory of Computation; fall; Prerequisite: COT3100 Computational Structures
 - COP3530 Data Structures; fall, spring and summer; Prerequisites: COT3100 Computational Structures and COP3503 Programming II
 - CNT4504 Computer Networks; fall, spring and summer; Computing Common Core; Prerequisites: COP3503 Programming II
 - COP3703 Intro to Databases; fall, spring and summer; Computing Common Core; Prerequisites: COP3503 Programming II
 - COP3404 Systems Software; fall; Prerequisites: CDA3100 Computer Org & Arch and COP3503 Programming II
 - COP4620 Constr of Lang Translators; spring; Prerequisites: COT3210 Theory of Computation and COP3530 Data Structures
 - CEN4010 Software Engineering; spring; Prerequisites: COP3530 Data Structures and COP3703 Intro to Databases
 - COT4400 Design & Analysis of Algorithms; fall; Prerequisites: COP3530 Data Structures
 - CAP4630 Intro to Artificial Intelligence; spring; Prerequisites: COP3530 Data Structures
 - COP4610 Operating Systems; spring; Prerequisites: COP3530 Data Structures and COP3404 Systems Software
 - Electives: Any 9 credits at the 3XXX or 4XXX level with the following prefixes: CAP, CDA, CEN, CIS, CNT, COP or COT