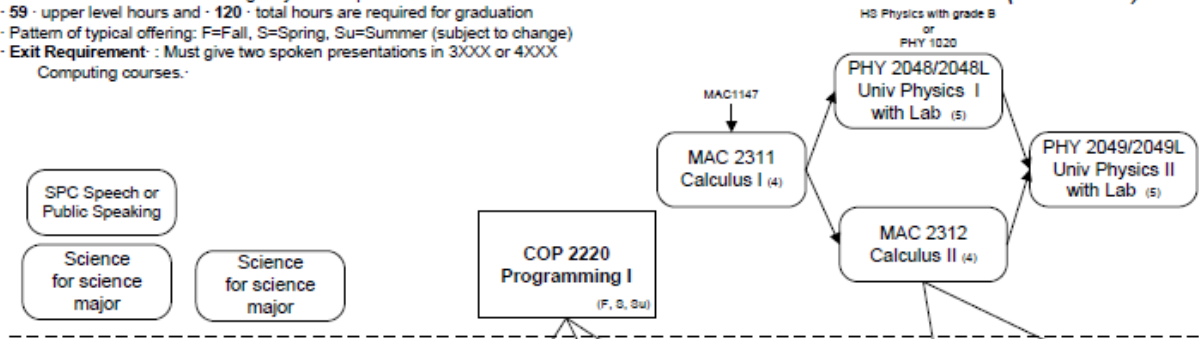


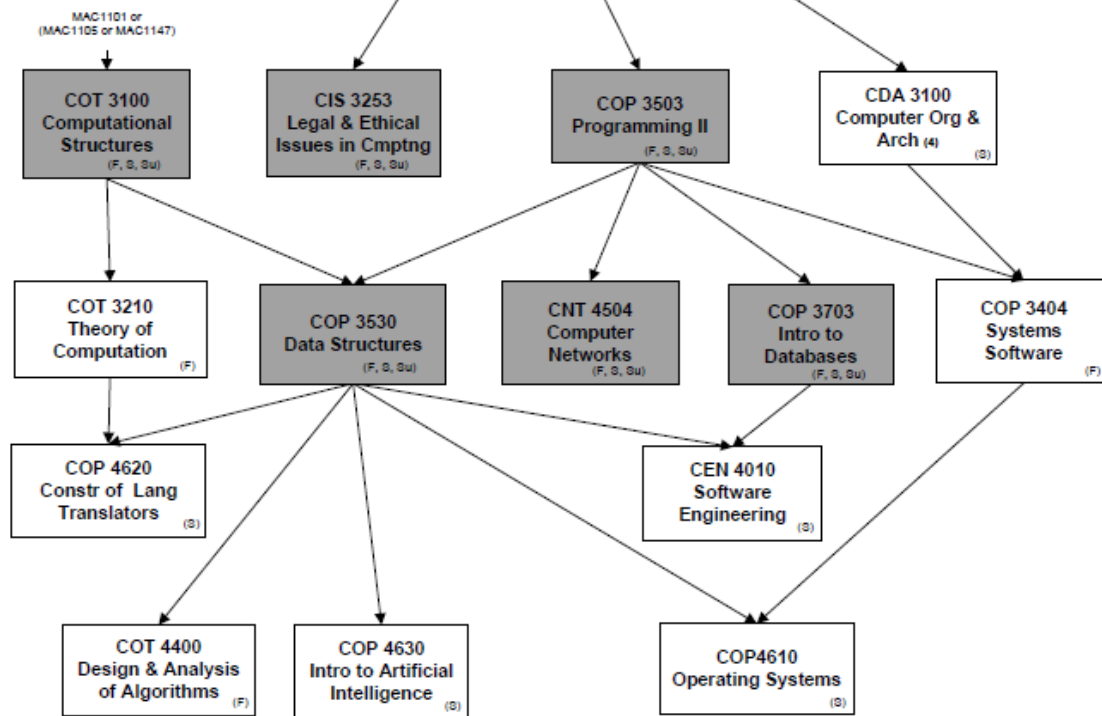
# BS in Computer Science [Fall 2019 Catalog]

- 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-
- 59 - 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 two spoken presentations in 3XXX or 4XXX Computing courses.-

## Requisites & Prerequisites - (8) (30 cr. hrs.)

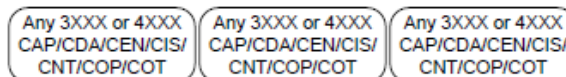


## Common Core & Major Requirements - (16) (50 cr. hrs.)



## Major Electives (3) (9 cr. hrs.)

Select 9 credits of the following



## BS in Computer Science [Fall 2019 Catalog]

- Requisites & Prerequisites – (8) (30 credit hours)
  - All courses are 3 credit hours unless otherwise indicated
  - 59 upper level hours and 120 total hours are required for graduation
  - Exit Requirement: Must give two spoken presentations in 3XXX or 4XXX Computing courses.
- 
- Speech or Public Speaking (SPC prefix); taught by another department
  - Science for Science major; taught by another department
  - Science for Science major; taught by another department
  - MAC2311 Calculus I; 4 credits; taught by another department; Prerequisites: MAC1147
  - MAC2312 Calculus II; 4 credits; taught by another department; Prerequisites: MAC2311 Calculus I
  - PHY2048/2048L University Physics I with Lab; 5 credits; taught by another department; Prerequisites: MAC2311 Calculus I
  - PHY2049/2049L University Physics I with Lab; 5 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
  - COP4630 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