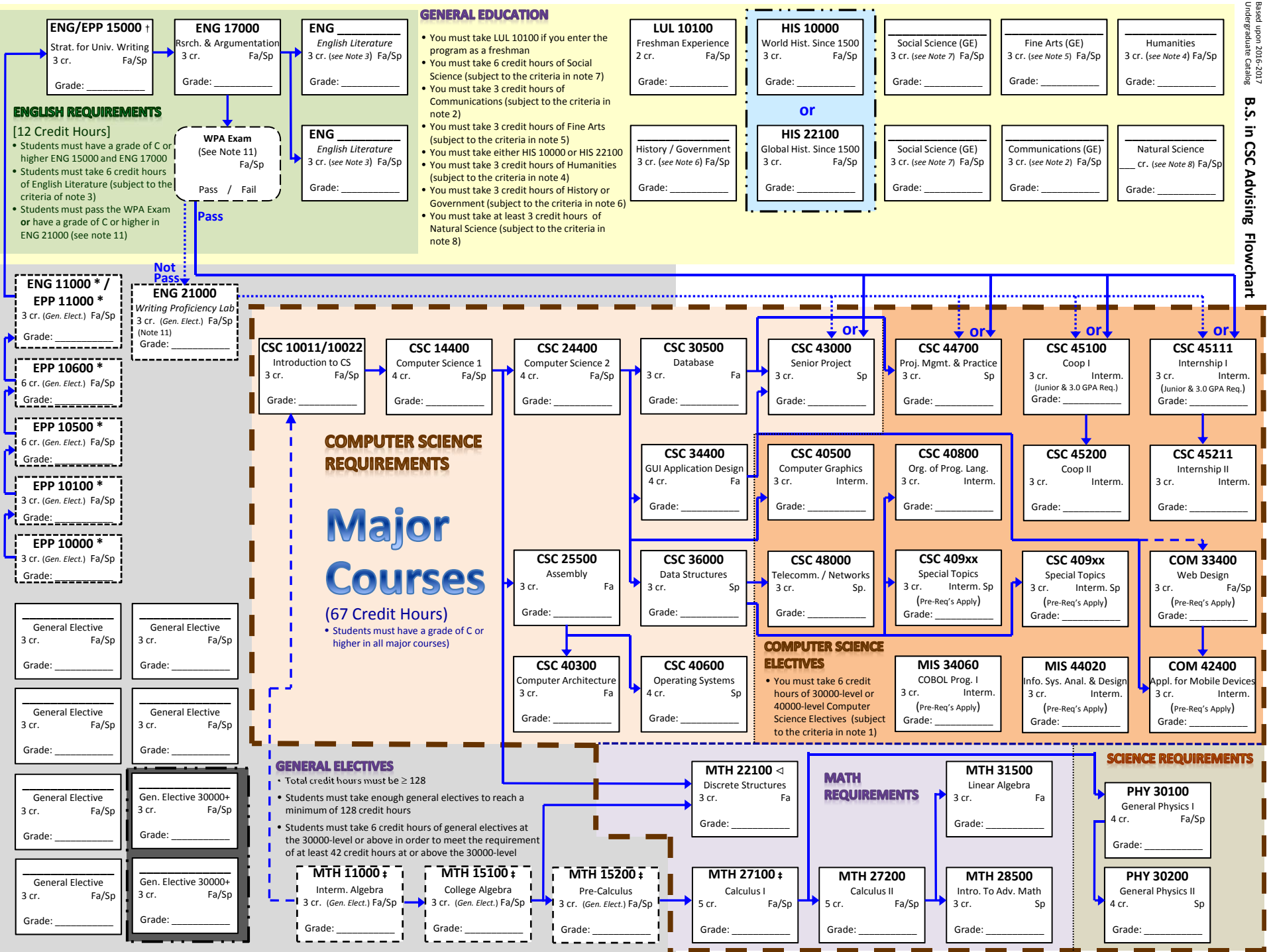


# Computer Science Programs

B.S. Degree in Computer Science (CSC)



**ENGLISH REQUIREMENTS**  
 [12 Credit Hours]

- Students must have a grade of C or higher ENG 15000 and ENG 17000
- Students must take 6 credit hours of English Literature (subject to the criteria of note 3)
- Students must pass the WPA Exam or have a grade of C or higher in ENG 21000 (see note 11)

**GENERAL EDUCATION**

- You must take LUL 10100 if you enter the program as a freshman
- You must take 6 credit hours of Social Science (subject to the criteria in note 7)
- You must take 3 credit hours of Communications (subject to the criteria in note 2)
- You must take 3 credit hours of Fine Arts (subject to the criteria in note 5)
- You must take either HIS 10000 or HIS 22100
- You must take 3 credit hours of Humanities (subject to the criteria in note 4)
- You must take 3 credit hours of History or Government (subject to the criteria in note 6)
- You must take at least 3 credit hours of Natural Science (subject to the criteria in note 8)

<b>LUL 10100</b> Freshman Experience 2 cr. Fa/Sp Grade: _____	<b>HIS 10000</b> World Hist. Since 1500 3 cr. Fa/Sp Grade: _____	Social Science (GE) 3 cr. (see Note 7) Fa/Sp Grade: _____	Fine Arts (GE) 3 cr. (see Note 5) Fa/Sp Grade: _____	Humanities 3 cr. (see Note 4) Fa/Sp Grade: _____
History / Government 3 cr. (see Note 6) Fa/Sp Grade: _____	<b>HIS 22100</b> Global Hist. Since 1500 3 cr. Fa/Sp Grade: _____	Social Science (GE) 3 cr. (see Note 7) Fa/Sp Grade: _____	Communications (GE) 3 cr. (see Note 2) Fa/Sp Grade: _____	Natural Science ____ cr. (see Note 8) Fa/Sp Grade: _____

**ENG 11000 \* / EPP 11000 \***  
3 cr. (Gen. Elect.) Fa/Sp  
Grade: \_\_\_\_\_

**ENG 21000**  
Writing Proficiency Lab  
3 cr. (Gen. Elect.) Fa/Sp (Note 11)  
Grade: \_\_\_\_\_

**EPP 10600 \***  
6 cr. (Gen. Elect.) Fa/Sp  
Grade: \_\_\_\_\_

**EPP 10500 \***  
6 cr. (Gen. Elect.) Fa/Sp  
Grade: \_\_\_\_\_

**EPP 10100 \***  
3 cr. (Gen. Elect.) Fa/Sp  
Grade: \_\_\_\_\_

**EPP 10000 \***  
3 cr. (Gen. Elect.) Fa/Sp  
Grade: \_\_\_\_\_

**COMPUTER SCIENCE REQUIREMENTS**  
**Major Courses**  
 (67 Credit Hours)

- Students must have a grade of C or higher in all major courses

<b>CSC 10011/10022</b> Introduction to CS 3 cr. Fa/Sp Grade: _____	<b>CSC 14400</b> Computer Science 1 4 cr. Fa/Sp Grade: _____	<b>CSC 24400</b> Computer Science 2 4 cr. Fa/Sp Grade: _____	<b>CSC 30500</b> Database 3 cr. Fa Grade: _____	<b>CSC 43000</b> Senior Project 3 cr. Sp Grade: _____	<b>CSC 44700</b> Proj. Mgmt. & Practice 3 cr. Sp Grade: _____	<b>CSC 45100</b> Coop I 3 cr. Intern. (Junior & 3.0 GPA Req.) Grade: _____	<b>CSC 45111</b> Internship I 3 cr. Intern. (Junior & 3.0 GPA Req.) Grade: _____
<b>CSC 34400</b> GUI Application Design 4 cr. Fa Grade: _____	<b>CSC 35500</b> Assembly 3 cr. Fa Grade: _____	<b>CSC 36000</b> Data Structures 3 cr. Sp Grade: _____	<b>CSC 40500</b> Computer Graphics 3 cr. Intern. Grade: _____	<b>CSC 48000</b> Telecomm. / Networks 3 cr. Sp. Grade: _____	<b>CSC 40800</b> Org. of Prog. Lang. 3 cr. Intern. Grade: _____	<b>CSC 45200</b> Coop II 3 cr. Intern. Grade: _____	<b>CSC 45211</b> Internship II 3 cr. Intern. Grade: _____
<b>CSC 40300</b> Computer Architecture 3 cr. Fa Grade: _____	<b>CSC 40600</b> Operating Systems 4 cr. Sp Grade: _____	<b>CSC 48000</b> Telecomm. / Networks 3 cr. Sp. Grade: _____	<b>CSC 409xx</b> Special Topics 3 cr. Intern. Sp (Pre-Req's Apply) Grade: _____	<b>CSC 409xx</b> Special Topics 3 cr. Intern. Sp (Pre-Req's Apply) Grade: _____	<b>CSC 409xx</b> Special Topics 3 cr. Intern. Sp (Pre-Req's Apply) Grade: _____	<b>COM 33400</b> Web Design 3 cr. Fa/Sp (Pre-Req's Apply) Grade: _____	<b>COM 42400</b> Appl. for Mobile Devices 3 cr. Intern. (Pre-Req's Apply) Grade: _____

**COMPUTER SCIENCE ELECTIVES**

- You must take 6 credit hours of 30000-level or 40000-level Computer Science Electives (subject to the criteria in note 1)

<b>MIS 34060</b> COBOL Prog. I 3 cr. Intern. (Pre-Req's Apply) Grade: _____	<b>MIS 44020</b> Info. Sys. Anal. & Design 3 cr. Intern. (Pre-Req's Apply) Grade: _____	<b>COM 33400</b> Web Design 3 cr. Fa/Sp (Pre-Req's Apply) Grade: _____	<b>COM 42400</b> Appl. for Mobile Devices 3 cr. Intern. (Pre-Req's Apply) Grade: _____
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**GENERAL ELECTIVES**

- Total credit hours must be ≥ 128
- Students must take enough general electives to reach a minimum of 128 credit hours
- Students must take 6 credit hours of general electives at the 30000-level or above in order to meet the requirement of at least 42 credit hours at or above the 30000-level

General Elective 3 cr. Fa/Sp Grade: _____	General Elective 3 cr. Fa/Sp Grade: _____
General Elective 3 cr. Fa/Sp Grade: _____	General Elective 3 cr. Fa/Sp Grade: _____
General Elective 3 cr. Fa/Sp Grade: _____	Gen. Elective 30000+ 3 cr. Fa/Sp Grade: _____
General Elective 3 cr. Fa/Sp Grade: _____	Gen. Elective 30000+ 3 cr. Fa/Sp Grade: _____

**MATH REQUIREMENTS**

<b>MTH 11000 ‡</b> Interm. Algebra 3 cr. (Gen. Elect.) Fa/Sp Grade: _____	<b>MTH 15100 ‡</b> College Algebra 3 cr. (Gen. Elect.) Fa/Sp Grade: _____	<b>MTH 15200 ‡</b> Pre-Calculus 3 cr. (Gen. Elect.) Fa/Sp Grade: _____	<b>MTH 22100 &lt;</b> Discrete Structures 3 cr. Fa Grade: _____	<b>MTH 27100 ‡</b> Calculus I 5 cr. Fa/Sp Grade: _____	<b>MTH 27200</b> Calculus II 5 cr. Fa/Sp Grade: _____	<b>MTH 31500</b> Linear Algebra 3 cr. Fa Grade: _____	<b>MTH 28500</b> Intro. To Adv. Math 3 cr. Sp Grade: _____
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**SCIENCE REQUIREMENTS**

<b>PHY 30100</b> General Physics I 4 cr. Fa/Sp Grade: _____	<b>PHY 30200</b> General Physics II 4 cr. Sp Grade: _____
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## Notes for Program Advising Flowcharts

- † Placement into ENG 15000 is through: 1) Passing Writing Proficiency Placement Exam, or 2) Completion of ENG/EPP 11000
- ◁ Placement into MTH 15200/24100/22100 is through: 1) Passing the Math Placement Exam, or 2) prior completion of MTH 15100
- ‡ Placement into MTH 27100 is through: 1) Passing the Math Placement Exam, or 2) Completion of MTH 15200

Requirement 1: Students must complete 49-52 credit hours of GENERAL EDUCATION courses.

Requirement 2: A minimum total of 128 credits hours of coursework is required for graduation.

Requirement 3: A minimum total of 42 credits hours of coursework at or above the 30000 level is required for graduation.

Note 1: CSC Electives must be chosen from one of the following:

CSC 25500, CSC 32000, CSC 34000, CSC 38000, CSC 40200, CSC 40500, CSC 40800, CSC 40900, CSC 41000, CSC 42500, CSC 44700; COM 33400; COM 42400  
MIS 34060, MIS 44020

Note 2: Communications must be chosen from one of the following:

COM 10500, COM 11000; SW 10000

Note 3: ENG Option 1 and ENG Option 2 must be chosen from one of the following:

ENG 20000, ENG 20100, ENG 20200, ENG 21600, ENG 23500, ENG 23600, ENG 24500, ENG 25000, ENG 25600, ENG 27600, ENG 27800, ENG 28000,  
ENG 28100, ENG 30500, ENG 30600, ENG 30900, ENG 31000, ENG 33200, ENG 33300, ENG 33500, ENG 33700, ENG 33900, ENG 34100, ENG 34200,  
ENG 34300, ENG 34700, ENG 35100, ENG 38000, ENG 38100; TA 33500, TA 33600

Note 4: Humanities must be chosen from one of the following:

PHL 10200, PHL 15000, PHL 18000, PHL 18100, PHL 19000, PHL 21400, PHL 21500, PHL 24000, PHL 25000, PHL 25200, PHL 26500, PHL 28000,  
PHL 28100, PHL 30500, PHL 31100, PHL 31200, PHL 31300, PHL 32500, PHL 38000, PHL 38100;  
REL 15000, REL 20100, REL 20200, REL 21000, REL 21100, REL 28000, REL 28100, REL 30000, REL 30500, REL 31000, REL 32000, REL 32500,  
REL 33000, REL 38000, REL 38100

Note 5: Fine Arts must be chosen from one of the Following:

ART 10000, ART 11000, ART 13600, ART 18100, ART 18101, ART 22200, ART 22400, ART 24000; DAN 10100, DAN 11000, DAN 37100;  
MUS 15000, MUS 16500, MUS 33000, MUS 35500, MUS 35600, MUS 35700, MUS 38601; TA 10500, TA 11700, TA 31700, TA 33500,  
TA 33600, TA 33700, TA 37000, TA 38600, TA 38700;

Note 6: History and Government must be chosen from one of the following:

HIS 10500, HIS 10600, HIS 15500, HIS 21500, HIS 21600; PS 15500, 15600

Note 7: Social Science courses must be selected from 2 different disciplines and must be chosen from the following:

ANT 11200, ANT 21000; CJ 10100; ECON 23010, ECON 23020; GEO 28200; PSY 10000, PSY 10100; REC 20600; SOC 10200, SOC 21400, SOC 22000,  
SOC 24000; SW 24000, SW 28000

Note 8: For the CSC programs, Natural Science must be chosen from one of the following:

ANT13000; BIO 10000, BIO 10600, BIO 10700, BIO 11000, BIO 11200, BIO 11400, BIO 11500, BIO 12100, BIO 22700, BIO 25100, BIO 25200;  
PE 20700; SCI 21400; ESC 10000, ESC 10500, ESC 11000, ESC 11100, ESC 12000, ESC 13000, ESC 13100;

Note 9: For the CIS program, three Natural Science courses (1 with a lab) must be chosen from two of the following areas:

Biological Science Discipline: ANT13000; BIO 10000, BIO 10600, BIO 10700, BIO 11000, BIO 11200, BIO 11400, BIO 11500, BIO 12100, BIO 22700, BIO 25100,  
BIO 25200; PE 20700; SCI 21400;

Earth Sciences Discipline: ESC 10000, ESC 10500, ESC 11000, ESC 11100, ESC 12000, ESC 13000, ESC 13100;

Physical Science Discipline: CHM 10000, CHM 10100, CHM 10500, CHM 11100, CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200;  
PHY 11100&11200, PHY 25100, PHY 25200, PHY 30100, PHY 30200

Note 10: Culture and Civilization must be chosen from one of the following:

ANT 11200, 21000; ART 22000, 22400; CJ 22500; COM 28602; DAN 11000; ENG 20100, 20200, 21600, 24500, 25000, 28100; FLC 10300; GEO 20100,  
GEO 20200, GEO 20700, GEO 28100; HIS 20500, 22000, 28200; PHL 18100, 28100; REL 15000, 23000, 28100; 2 FL crs

Note 11: In order to graduate, you must pass either the WPA exam, or complete ENG 21000 (which counts as a General Elective course)