

Software & Scientific Applications Concentration (CSSC)

Freshman

Fall		Spring	
ENGR 1020	1	CSC 1310	4
CSC 1300	4	MATH 1920	4
MATH 1910	4	ENGL 1020	3
ENGL 1010	3	General Education ¹	3
General Education ¹	3	General Education ¹	3
Total hours:	15	Total hours:	17

Sophomore

Fall		Spring	
CSC 2310	4	CSC 2400	3
CSC 2500	1	CSC 3710	3
CSC 2700	3	General Education ¹	3
MATH 2010	3	COMM 2025/PC 2500	3
Science ²	4	Science ²	4
Total hours:	15	Total hours:	16

Junior

Fall		Spring	
CSC 3040	3	CSC 3300	3
CSC 3410	3	CSC 4320	3
CSC Elective ³	3	CSC Elective ³	3
General Education ¹	3	General Education ¹	3
MATH 3070/3470	3	Science ²	4
Total hours:	15	Total hours:	16

Senior

Fall		Spring	
CSC 4100	3	CSC 4200	3
CSC 4610	3	CSC 4620	3
CSC Elective ³	3	Elective	3
Elective	6	General Education ¹	3
Total hours:	15	Total hours:	12

¹ General Education History 2010 or History 2020 OR

¹ General Education Humanities/Fine Arts (9 credit hours, 3 of which must be a literature) OR

¹ General Education Social Science (6 credit hours)

²Science:

Take one science sequence from

BIOL 1113 and BIOL 1123 OR

BIOL 1113 and BIOL 2310 OR

CHEM 1110 and CHEM 1120 OR

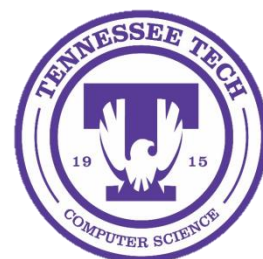
GEOL 1040 and GEOL 1045 OR

PHYS 2010 and PHYS 2020 OR

PHYS 2110 and PHYS 2120

The remaining 4 hour science elective must come from a different discipline

³6 credit hours must be upper division hours, with at least 3 hours at the 4000-level



Cybersecurity Concentration (CSEC)

Freshman

Fall		Spring	
ENGR 1020	1	CSC 1310	4
CSC 1300	4	MATH 1920	4
MATH 1910	4	ENGL 1020	3
ENGL 1010	3	General Education ¹	3
General Education ¹	3	General Education ¹	3
Total hours:	15	Total hours:	17

Sophomore

Fall		Spring	
CSC 2310	4	CSC 2400	3
CSC 2500	1	CSC 3710	3
CSC 2700	3	CSC 2560	3
MATH 2010	3	COMM 2025/PC 2500	3
Science ²	4	Science ²	4
Total hours:	15	Total hours:	16

Junior

Fall		Spring	
CSC 3300	3	CSC 3040	3
CSC 3410	3	CSC 4320	3
Science ²	4	CSC 4575	3
General Education ¹	3	General Education ¹	3
MATH 3070/3470	3	CSC/Security/Free Elective ³	3
Total hours:	16	Total hours:	15

Senior

Fall		Spring	
CSC 4100	3	CSC 4200	3
CSC 4610	3	CSC 4620	3
CSC 4570	3	CSC/Security/Free Elective ³	6
General Education ¹	6		
Total hours:	15	Total hours:	12

¹ General Education History 2010 or History 2020 OR

¹ General Education Humanities/Fine Arts (9 credit hours, 3 of which must be a literature) OR

¹ General Education Social Science (6 credit hours)

²Science:

Take one science sequence from

BIOL 1113 and BIOL 1123 OR

BIOL 1113 and BIOL 2310 OR

CHEM 1110 and CHEM 1120 OR

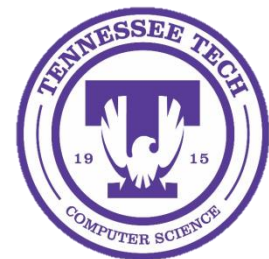
GEOL 1040 and GEOL 1045 OR

PHYS 2010 and PHYS 2020 OR

PHYS 2110 and PHYS 2120

The remaining 4 hour science elective must come from a different discipline

³CSC/Security/Free Elective: Take 3 hours of CSC AND 3 hours from CSC 3220, CSC 4220, CSC 4580, CSC 4760, CSC 4770, CJ 3640, DS 4125 AND 3 additional hours of any subject



Data Science Concentration (DS)

Freshman

Fall		Spring	
ENGR 1020	1	CSC 1310	4
CSC 1300	4	MATH 1920	4
MATH 1910	4	ENGL 1020	3
ENGL 1010	3	General Education ¹	3
General Education ¹	3	General Education ¹	3
Total hours:	15	Total hours:	17

Sophomore

Fall		Spring	
CSC 2310	4	CSC 2400	3
CSC 2500	1	CSC 3710	3
CSC 2700	3	General Education ¹	3
COMM 2025/PC 2500	3	MATH 2010	3
Science ²	4	Science ²	4
Total hours:	15	Total hours:	16

Junior

Fall		Spring	
CSC 3040	3	CSC 3220	3
CSC 3300	3	CSC 4320	3
CSC 3410	3	DS/CSC Elective ³	3
General Education ¹	3	DS/CSC Elective ³	3
MATH 3070/3470	3	Science ²	4
Total hours:	15	Total hours:	16

Senior

Fall		Spring	
CSC 4100	3	CSC 4200	3
CSC 4610	3	CSC 4620	3
CSC 4220	3	DS/CSC Elective ³	3
CSC 4040/4990	3	General Education ¹	3
General Education ¹	3		
Total hours:	15	Total hours:	12

¹ General Education History 2010 or History 2020 OR

¹ General Education Humanities/Fine Arts (9 credit hours, 3 of which must be a literature) OR

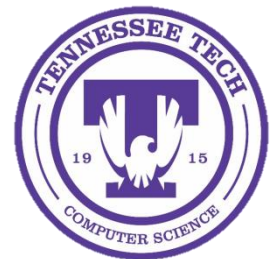
¹ General Education Social Science (6 credit hours, ECON 2010 or ECON 2020 recommended)

²Science:

Take one science sequence from
 BIOL 1113 and BIOL 1123 OR BIOL 1113 and BIOL 2310 OR
 CHEM 1110 and CHEM 1120 OR
 GEOL 1040 and GEOL 1045 OR
 PHYS 2010 and PHYS 2020 OR PHYS 2110 and PHYS 2120

The remaining 4 hour science elective must come from a different discipline

³Take one DS Application Elective (CSC 3230, CSC 4575, GEOG 4510, MET 4650, MKT 3400, or BIOL 3810), one DS Technical Elective (CSC 4240 or CSC 4760), and one CSC course not used to meet other requirements



High Performance Computing Concentration (HPC)

Freshman

Fall		Spring	
ENGR 1020	1	CSC 1310	4
CSC 1300	4	MATH 1920	4
MATH 1910	4	ENGL 1020	3
ENGL 1010	3	General Education ¹	3
General Education ¹	3	General Education ¹	3
Total hours:	15	Total hours:	17

Sophomore

Fall		Spring	
CSC 2310	4	CSC 2400	3
CSC 2500	1	CSC 3710	3
CSC 2700	3	General Education ¹	3
MATH 2010	3	COMM 2025/PC 2500	3
Science ²	4	Science ²	4
Total hours:	15	Total hours:	16

Junior

Fall		Spring	
CSC 3040	3	CSC 3220	3
CSC 3410	3	CSC 4320	3
CSC 3300	3	CSC 4200	3
MATH 3070/3470	3	General Education ¹	3
Science ²	4	HPC/CSC/Free Elective ³	3
Total hours:	16	Total hours:	15

Senior

Fall		Spring	
CSC 4100	3	CSC 4620	3
CSC 4610	3	CSC 4770	3
CSC 4760	3	HPC/CSC/Free Elective ³	3
General Education ¹	3	General Education ¹	3
CSC/HPC/Free Elective ³	3		
Total hours:	15	Total hours:	12

¹ General Education History 2010 or History 2020 OR

¹ General Education Humanities/Fine Arts (9 credit hours, 3 of which must be a literature)OR

¹ General Education Social Science (6 credit hours)

²Science:

BIOL 1113 and BIOL 1123 OR BIOL 1113 and BIOL 2310 OR

CHEM 1110 and CHEM 1120 OR

GEOL 1040 and GEOL 1045 OR

PHYS 2010 and PHYS 2020 OR PHYS 2110 and PHYS 2120

The remaining 4 hour science elective must come from a different discipline

³HPC/CSC/General Elective:

Take one HPC elective (CSC 3020, CSC 4010, CSC 4220, CSC 4400) AND 3 additional hours of CSC AND 3 additional hours of any subject

