



Computer Science

TENNESSEE TECH

Curriculum for Software and Scientific Applications Concentration

Freshman Year

- ENGR 1020 - Connections to Engineering and Technology Credit: 1. ¹
- CSC 1300 – Introduction to Problem Solving and Computer Programming Credit: 4.
- CSC 1310 – Data Structures and Algorithms Credit: 4.
- MATH 1910 - Calculus I Credit: 4.
- MATH 1920 - Calculus II Credit: 4.
- Social/Behavioral Sciences Elective Credit 3. ²
- ENGL 1010 - English Composition I Credit: 3.
- ENGL 1020 - English Composition II Credit: 3.
- HIST 2010 - American History I Credit: 3.
- HIST 2020 - American History II Credit: 3.

Sophomore Year

- CSC 2310 – Object Oriented Programming and Design Credit: 4.
- CSC 2400 - Design of Algorithms Credit: 3.
- CSC 2500 - Unix Lab Credit: 1.
- CSC 2700 – Discrete Structures for Computer Science Credit: 3.
- CSC 2710 - Foundations of Computer Science Credit: 3.
- SPCH 2410 - Introduction to Speech Communication Credit: 3. **or**
PC 2500 - Communicating in the Professions Credit: 3.
- ENGL 2130 - Topics in American Literature Credit: 3. **or**
ENGL 2230 - Topics in British Literature Credit: 3. **or**
ENGL 2330 - Topics in World Literature Credit: 3.
- MATH 2010 - Introduction to Linear Algebra Credit: 3.
- First Science Sequence Credit 8. ³

Junior Year

- CSC 3040 - Professionalism, Communication and Research in Computing Credit: 3.
- CSC 3300 - Database Management Systems Credit: 3.
- CSC 3410 - Computer Organization and Assembly Language Programming Credit: 3.
- CSC Upper-Division Elective⁴ Credit 3.
- CSC Elective Credit⁵ 3.
- CSC 4320 - Computer Architecture Credit: 3.
- Humanities/Fine Arts Elective Credit 6. ²
- Second Science Credit: 4. ³
- MATH 3070 - Statistical Methods I Credit: 3. **or**
MATH 3470 - Introductory Probability and Statistics Credit: 3.

Senior Year

- CSC 4100 - Operating Systems Credit: 3.
- CSC 4200 - Computer Networks Credit: 3.
- CSC 4610 - Software Engineering I Credit: 3.
- CSC 4620 - Software Engineering II Credit: 3.
- 4000-level CSC Elective Credit: 3.
- Electives⁵ Credit 9.
- Social/Behavioral Sciences Elective² Credit: 3.

Note:

¹ Not required for transfer students with more than 12 hours.

² See TBR General Education Core Requirements.

³ Take at least one science sequence from BIOL 1105 -BIOL 1114, BIOL 1105-BIOL 2110, CHEM 1110-CHEM 1120, GEOL 1040-GEOL 1045 or PHYS 2110-PHYS 2120. The two sequences must be in different disciplines.

⁴ Take any additional 3000- or 4000-level CSC course except CSC 4990.

⁵ At least three elective hours need to be upper division.

Curriculum for Software and Scientific Applications Concentration

Computer Science

- CSC 1300 – Introduction to Problem Solving and Computer Programming Credit: 4.
- CSC 1310 – Data Structures and Algorithms Credit: 4.
- CSC 2310 – Object Oriented Programming and Design Credit: 4.
- CSC 2400 - Design of Algorithms Credit: 3.
- CSC 2500 - Unix Lab Credit: 1.
- CSC 2700 – Discrete Structures for Computer Science Credit: 3.
- CSC 2710 - Foundations of Computer Science Credit: 3.
- CSC 3040 - Professionalism, Communication and Research in Computing Credit: 3.
- CSC 3300 - Database Management Systems Credit: 3.
- CSC 3410 - Computer Organization and Assembly Language Programming Credit: 3.
- CSC 4100 - Operating Systems Credit: 3.
- CSC 4200 - Computer Networks Credit: 3.
- CSC 4320 - Computer Architecture Credit: 3.
- CSC 4610 - Software Engineering I Credit: 3.
- CSC 4620 - Software Engineering II Credit: 3.
- CSC Elective Credit⁵ 3.
- CSC Upper-Division Elective⁴ Credit 3.
- 4000-level CSC Elective Credit: 3.

Mathematics

- MATH 1910 - Calculus I Credit: 4.
- MATH 1920 - Calculus II Credit: 4.
- MATH 2010 - Introduction to Linear Algebra Credit: 3.
- MATH 3070 - Statistical Methods I Credit: 3. **or**
MATH 3470 - Introductory Probability and Statistics Credit: 3.

General Education

- ENGL 1010 - English Composition I Credit: 3.
- ENGL 1020 - English Composition II Credit: 3.
- SPCH 2410 - Introduction to Speech Communication Credit: 3. **or**
PC 2500 - Communicating in the Professions Credit: 3.
- ENGL 2130 - Topics in American Literature Credit: 3. **or**
ENGL 2230 - Topics in British Literature Credit: 3. **or**
ENGL 2330 - Topics in World Literature Credit: 3.
- Humanities/Fine Arts Elective Credit 6. ²
- Social/Behavioral Sciences Elective Credit 6. ²
- HIST 2010 - American History I Credit: 3.
- HIST 2020 - American History II Credit: 3.
- First Science Sequence Credit 8. ³

Other

- ENGR 1020 - Connections to Engineering and Technology Credit: 1. ¹
- Second Science Credit: 4. ³
- Electives⁵ Credit 9.

Note:

¹ Not required for transfer students with more than 12 hours.

² See TBR General Education Core Requirements.

³ Take at least one science sequence from BIOL 1105 -BIOL 1114, BIOL 1105-BIOL 2110, CHEM 1110-CHEM 1120, GEOL 1040-GEOL 1045 or PHYS 2110-PHYS 2120. The two sequences must be in different disciplines.

⁴ Take any additional 3000- or 4000-level CSC course except CSC 4990.

⁵ At least three elective hours need to be upper division.

Curriculum for Cyber-Security Concentration

Freshman Year

- ENGL 1010 - English Composition I Credit: 3.
- ENGL 1020 - English Composition II Credit: 3.
- Social/Behavioral Sciences Elective Credit 3. ²
- HIST 2010 - American History I Credit: 3.
- HIST 2020 - American History II Credit: 3.
- MATH 1910 - Calculus I Credit: 4.
- MATH 1920 - Calculus II Credit: 4.
- CSC 1300 – Introduction to Problem Solving and Computer Programming Credit: 4.
- CSC 1310 – Data Structures and Algorithms Credit: 4.
- ENGR 1020 - Connections to Engineering and Technology Credit: 1. ¹

Sophomore Year

- ENGL 2130 - Topics in American Literature Credit: 3. **or**
ENGL 2230 - Topics in British Literature Credit: 3. **or**
ENGL 2330 - Topics in World Literature Credit: 3.
- SPCH 2410 - Introduction to Speech Communication Credit: 3. **or**
PC 2500 - Communicating in the Professions Credit: 3.
- First Science Sequence Credit 8. ³
- CSC 2310 – Object Oriented Programming and Design Credit: 4.
- CSC 2400 - Design of Algorithms Credit: 3.
- CSC 2500 - Unix Lab Credit: 1.
- CSC 2560 - Networks for Information Technologists Credit: 3.
- CSC 2700 – Discrete Structures for Computer Science Credit: 3.
- CSC 2710 - Foundations of Computer Science Credit: 3.
- MATH 2010 - Introduction to Linear Algebra Credit: 3.

Junior Year

- Humanities/Fine Arts Elective Credit 6. ²
- CSC 3040 - Professionalism, Communication and Research in Computing Credit: 3.
- CSC 3300 - Database Management Systems Credit: 3.
- CSC 3410 - Computer Organization and Assembly Language Programming Credit: 3.
- Cyber-Security Elective Credit: 3. ⁴
- CSC 4200 - Computer Networks Credit: 3.
- CSC 4320 - Computer Architecture Credit: 3.
- Lab Science³ Credit 4.
- MATH 3070 - Statistical Methods I Credit: 3. **or**
MATH 3470 - Introductory Probability and Statistics Credit: 3.

Senior Year

- Social/Behavioral Sciences Elective Credit: 3. ²
- CSC 4100 - Operating Systems Credit: 3.
- CSC 4570 - IT Security Credit: 3.
- CSC 4575 - Information Assurance and Cryptography Credit: 3.
- CSC 4610 - Software Engineering I Credit: 3.
- CSC 4620 - Software Engineering II Credit: 3.
- CSC Elective Credit: 3.
- Electives Credit: 3.

Note:

¹ Not required for transfer students with more than 12 hours.

² See TBR General Education Core Requirements.

³ Take your science sequence from BIOL 1105 -BIOL 1114, BIOL 1105-BIOL 2110, CHEM 1110-CHEM 1120, GEOL 1040-GEOL 1045 or PHYS 2110-PHYS 2120. The other science must be in a different discipline.

⁴ Select from one of the following: CSC 3220, CSC 4220, CSC 4580, CSC 4760, CSC 4770, DS 4125, or CJ 3640

Curriculum for Cyber-Security Concentration

Computer Science

- CSC 1300 – Introduction to Problem Solving and Computer Programming Credit: 4.
- CSC 1310 – Data Structures and Algorithms Credit: 4.
- CSC 2310 – Object Oriented Programming and Design Credit: 4.
- CSC 2400 - Design of Algorithms Credit: 3.
- CSC 2500 - Unix Lab Credit: 1.
- CSC 2700 – Discrete Structures for Computer Science Credit: 3.
- CSC 2710 - Foundations of Computer Science Credit: 3.
- CSC 3040 - Professionalism, Communication and Research in Computing Credit: 3.
- CSC 3300 - Database Management Systems Credit: 3.
- CSC 3410 - Computer Organization and Assembly Language Programming Credit: 3.
- CSC 4100 - Operating Systems Credit: 3.
- CSC 4200 - Computer Networks Credit: 3.
- CSC 4320 - Computer Architecture Credit: 3.
- CSC 4610 - Software Engineering I Credit: 3.
- CSC 4620 - Software Engineering II Credit: 3.
- CSC Elective Credit: 3.

Cyber Security

- CSC 2560 - Networks for Information Technologists Credit: 3.
- Cyber-Security Elective Credit: 3. ⁵
- CSC 4570 - IT Security Credit: 3.
- CSC 4575 - Information Assurance and Cryptography Credit: 3.

Mathematics

- MATH 1910 - Calculus I Credit: 4.
- MATH 1920 - Calculus II Credit: 4.
- MATH 2010 - Introduction to Linear Algebra Credit: 3.
- MATH 3070 - Statistical Methods I Credit: 3. **or**
MATH 3470 - Introductory Probability and Statistics Credit: 3.

General Education

- ENGL 1010 - English Composition I Credit: 3.
- ENGL 1020 - English Composition II Credit: 3.
- SPCH 2410 - Introduction to Speech Communication Credit: 3. **or**
PC 2500 - Communicating in the Professions Credit: 3.
- ENGL 2130 - Topics in American Literature Credit: 3. **or**
ENGL 2230 - Topics in British Literature Credit: 3. **or**
ENGL 2330 - Topics in World Literature Credit: 3.
- Humanities/Fine Arts Elective Credit 6. ²
- Social/Behavioral Sciences Elective Credit 6. ²
- HIST 2010 - American History I Credit: 3.
- HIST 2020 - American History II Credit: 3.
- First Science Sequence Credit 8. ³

Other

- ENGR 1020 - Connections to Engineering and Technology Credit: 1. ¹
- Lab Science³ Credit 4.
- Electives Credit: 3.

Note:

¹ Not required for transfer students with more than 12 hours.

² See TBR General Education Core Requirements.

³ Take your science sequence from BIOL 1105 -BIOL 1114, BIOL 1105-BIOL 2110, CHEM 1110-CHEM 1120, GEOL 1040-GEOL 1045 or PHYS 2110-PHYS 2120. The other science must be in a different discipline.

⁴ Select from one of the following: CSC 3220, CSC 4220, CSC 4580, CSC 4760, CSC 4770, DS 4125, or CJ 3640

Curriculum for Data Science Concentration

Freshman Year

- ENGL 1010 - English Composition I Credit: 3.
- ENGL 1020 - English Composition II Credit: 3.
- MATH 1910 - Calculus I Credit: 4.
- MATH 1920 - Calculus II Credit: 4.
- Social/Behavioral Sciences Elective Credit: 3. (ECON 2010 or ECON 2020 recommended) ²
- HIST 2010 - American History I Credit: 3.
- HIST 2020 - American History II Credit: 3.
- CSC 1300 – Introduction to Problem Solving and Computer Programming Credit: 4.
- CSC 1310 – Data Structures and Algorithms Credit: 4.
- ENGR 1020 - Connections to Engineering and Technology Credit: 1. ¹

Sophomore Year

- SPCH 2410 - Introduction to Speech Communication Credit: 3. **or**
PC 2500 - Communicating in the Professions Credit: 3.
- Science Sequence Credit: 8. ³
- ENGL 2130 - Topics in American Literature Credit: 3. **or**
ENGL 2230 - Topics in British Literature Credit: 3. **or**
ENGL 2330 - Topics in World Literature Credit: 3.
- CSC 2310 – Object Oriented Programming and Design Credit: 4.
- CSC 2400 - Design of Algorithms Credit: 3.
- CSC 2500 - Unix Lab Credit: 1.
- CSC 2700 – Discrete Structures for Computer Science Credit: 3.
- CSC 2710 - Foundations of Computer Science Credit: 3.
- MATH 2010 - Introduction to Linear Algebra Credit: 3.

Junior Year

- Humanities/Fine Arts Elective Credit: 3. ²
- Lab Science Credit: 4.
- MATH 3070 - Statistical Methods I Credit: 3. **or**
MATH 3470 - Introductory Probability and Statistics Credit: 3.
- CSC 3040 - Professionalism, Communication and Research in Computing Credit: 3.
- CSC 3220 - Fundamentals of Data Science Credit: 3.
- CSC 3300 - Database Management Systems Credit: 3.
- CSC 3410 - Computer Organization and Assembly Language Programming Credit: 3.
- CSC 4320 - Computer Architecture Credit: 3.
- CSC Elective Credit 3.
- Data Science Application Elective Credit: 3. ⁴

Senior Year

- Humanities/Fine Arts Elective Credit: 3. ²
- Social/Behavioral Sciences Elective Credit: 3. (ECON 2010 or ECON 2020 recommended) ²
- CSC 4100 - Operating Systems Credit: 3.
- CSC 4200 - Computer Networks Credit: 3.
- CSC 4220 - Data Mining and Machine Learning Credit: 3.
- CSC 4610 - Software Engineering I Credit: 3.
- CSC 4620 - Software Engineering II Credit: 3.
- Data Science Technical Elective Credit: 3. ⁵
- CSC 4040 - Undergraduate Computing Research Experience Credit: 3. **or**
CSC 4990 - Computer Science Internship (Data Science only) Credit 3.

Note:

¹ Not required for transfer students with more than 12 hours.

² See TBR General Education Core Requirements.

³ Take your science sequence from BIOL 1105 -BIOL 1114, BIOL 1105-BIOL 2110, CHEM 1110-CHEM 1120, GEOL 1040-GEOL 1045 or PHYS 2110-PHYS 2120. The other science must be in a different discipline.

⁴ Select from one of the following: CSC 3230, CSC 4575, GEOG 4510 (5510), MET 4650 (5650), MKT 3400 or BIOL 3810.

⁵ Select from one of the following: CSC 4240 (5240) or CSC 4760 (5760).

Curriculum for Data Science Concentration

Computer Science

- [CSC 1300 – Introduction to Problem Solving and Computer Programming](#) Credit: 4.
- [CSC 1310 – Data Structures and Algorithms](#) Credit: 4.
- [CSC 2310 – Object Oriented Programming and Design](#) Credit: 4.
- [CSC 2400 - Design of Algorithms](#) Credit: 3.
- [CSC 2500 - Unix Lab](#) Credit: 1.
- [CSC 2700 – Discrete Structures for Computer Science](#) Credit: 3.
- [CSC 2710 - Foundations of Computer Science](#) Credit: 3.
- [CSC 3040 - Professionalism, Communication and Research in Computing](#) Credit: 3.
- [CSC 3300 - Database Management Systems](#) Credit: 3.
- [CSC 3410 - Computer Organization and Assembly Language Programming](#) Credit: 3.
- [CSC 4100 - Operating Systems](#) Credit: 3.
- [CSC 4200 - Computer Networks](#) Credit: 3.
- [CSC 4320 - Computer Architecture](#) Credit: 3.
- [CSC 4610 - Software Engineering I](#) Credit: 3.
- [CSC 4620 - Software Engineering II](#) Credit: 3.
- CSC Elective Credit 3.

Data Science

- [CSC 3220 - Fundamentals of Data Science](#) Credit: 3.
- [CSC 4220 - Data Mining and Machine Learning](#) Credit: 3.
- [CSC 4040 - Undergraduate Computing Research Experience](#) Credit: 3. or [CSC 4990 - Computer Science Internship](#) (Data Science only) Credit 3.
- Data Science Application Elective Credit: 3.⁴
- Data Science Technical Elective Credit: 3.⁵

Mathematics

- [MATH 1910 - Calculus I](#) Credit: 4.
- [MATH 1920 - Calculus II](#) Credit: 4.
- [MATH 2010 - Introduction to Linear Algebra](#) Credit: 3.
- [MATH 3070 - Statistical Methods I](#) Credit: 3. or [MATH 3470 - Introductory Probability and Statistics](#) Credit: 3.

General Education

- [ENGL 1010 - English Composition I](#) Credit: 3.
- [ENGL 1020 - English Composition II](#) Credit: 3.
- [SPCH 2410 - Introduction to Speech Communication](#) Credit: 3. or [PC 2500 - Communicating in the Professions](#) Credit: 3.
- [ENGL 2130 - Topics in American Literature](#) Credit: 3. or [ENGL 2230 - Topics in British Literature](#) Credit: 3. or [ENGL 2330 - Topics in World Literature](#) Credit: 3.
- Humanities/Fine Arts Elective Credit: 6. ²
- Social/Behavioral Sciences Elective Credit: 6. (ECON 2010 or ECON 2020 recommended) ²
- [HIST 2010 - American History I](#) Credit: 3.
- [HIST 2020 - American History II](#) Credit: 3.
- Science Sequence Credit: 8. ³

Other

- [ENGR 1020 - Connections to Engineering and Technology](#) Credit: 1. ¹
- Lab Science Credit: 4.

Note:

¹ Not required for transfer students with more than 12 hours.

² See TBR General Education Core Requirements.

³ Take your science sequence from BIOL 1105 -BIOL 1114, BIOL 1105-BIOL 2110, CHEM 1110-CHEM 1120, GEOL 1040-GEOL 1045 or PHYS 2110-PHYS 2120. The other science must be in a different discipline.

⁴ Select from one of the following: CSC 3230, CSC 4575, GEOG 4510 (5510), MET 4650 (5650), MKT 3400 or BIOL 3810.

⁵ Select from one of the following: CSC 4240 (5240) or CSC 4760 (5760).

Curriculum for High Performance Computing Concentration

Freshman Year

- ENGR 1020 - Connections to Engineering and Technology Credit: 1. ¹
- CSC 1300 – Introduction to Problem Solving and Computer Programming Credit: 4.
- CSC 1310 – Data Structures and Algorithms Credit: 4.
- ENGL 1010 - English Composition I Credit: 3.
- ENGL 1020 - English Composition II Credit: 3.
- Social/Behavioral Sciences Elective Credit 3. ²
- HIST 2010 - American History I Credit: 3.
- HIST 2020 - American History II Credit: 3.
- MATH 1910 - Calculus I Credit: 4.
- MATH 1920 - Calculus II Credit: 4.

Sophomore Year

- CSC 2310 – Object Oriented Programming and Design Credit: 4.
- CSC 2400 - Design of Algorithms Credit: 3.
- CSC 2500 - Unix Lab Credit: 1.
- CSC 2700 – Discrete Structures for Computer Science Credit: 3.
- CSC 2710 - Foundations of Computer Science Credit: 3.
- ENGL 2130 - Topics in American Literature Credit: 3. **or**
ENGL 2230 - Topics in British Literature Credit: 3. **or**
ENGL 2330 - Topics in World Literature Credit: 3.
- MATH 2010 - Introduction to Linear Algebra Credit: 3.
- Science Sequence Credit 8. ³
- SPCH 2410 - Introduction to Speech Communication Credit: 3. **or**
PC 2500 - Communicating in the Professions Credit: 3.

Junior Year

- CSC 3040 - Professionalism, Communication and Research in Computing Credit: 3.
- CSC 3220 - Fundamentals of Data Science Credit: 3.
- CSC 3300 - Database Management Systems Credit: 3.
- CSC 3410 - Computer Organization and Assembly Language Programming Credit: 3.
- CSC 4200 - Computer Networks Credit: 3.
- CSC 4320 - Computer Architecture Credit: 3.
- CSC Elective Credit: 3.
- MATH 3070 - Statistical Methods I Credit: 3. **or**
MATH 3470 - Introductory Probability and Statistics Credit: 3.
- Social/Behavioral Sciences Elective Credit 3. ²
- Lab Science Credit 4.

Senior Year

- CSC 4100 - Operating Systems Credit: 3.
- CSC 4610 - Software Engineering I Credit: 3.
- CSC 4620 - Software Engineering II Credit: 3.
- CSC 4760 - Parallel Programming Credit: 3.
- CSC 4770 - Distributed and Cloud Computing Credit: 3.
- PDH Technical Elective Credit 3. ⁴
- Humanities/Fine Arts Elective Credit 6. ²
- Electives Credit 3.

Note:

¹ Not required for transfer students with more than 12 hours.

² See TBR General Education Core Requirements.

³ Take your science sequence from BIOL 1105 -BIOL 1114, BIOL 1105-BIOL 2110, CHEM 1110-CHEM 1120, GEOL 1040-GEOL 1045 or PHYS 2110-PHYS 2120. The other science must be in a different discipline.

⁴ Select from one of the following: CSC 4010, CSC 4420, and CSC 4400.

Curriculum for High Performance Computing Concentration

Computer Science

- [CSC 1300 – Introduction to Problem Solving and Computer Programming](#) Credit: 4.
- [CSC 1310 – Data Structures and Algorithms](#) Credit: 4.
- [CSC 2310 – Object Oriented Programming and Design](#) Credit: 4.
- [CSC 2400 - Design of Algorithms](#) Credit: 3.
- [CSC 2500 - Unix Lab](#) Credit: 1.
- [CSC 2700 – Discrete Structures for Computer Science](#) Credit: 3.
- [CSC 2710 - Foundations of Computer Science](#) Credit: 3.
- [CSC 3040 - Professionalism, Communication and Research in Computing](#) Credit: 3.
- [CSC 3300 - Database Management Systems](#) Credit: 3.
- [CSC 3410 - Computer Organization and Assembly Language Programming](#) Credit: 3.
- [CSC 4100 - Operating Systems](#) Credit: 3.
- [CSC 4200 - Computer Networks](#) Credit: 3.
- [CSC 4320 - Computer Architecture](#) Credit: 3.
- [CSC 4610 - Software Engineering I](#) Credit: 3.
- [CSC 4620 - Software Engineering II](#) Credit: 3.
- CSC Elective Credit: 3.

Parallel, Distributed, and High Performance

- [CSC 3220 - Fundamentals of Data Science](#) Credit: 3.
- [CSC 4760 - Parallel Programming](#) Credit: 3.
- [CSC 4770 - Distributed and Cloud Computing](#) Credit: 3.
- PDH Technical Elective Credit 3.⁴

Mathematics

- [MATH 1910 - Calculus I](#) Credit: 4.
- [MATH 1920 - Calculus II](#) Credit: 4.
- [MATH 2010 - Introduction to Linear Algebra](#) Credit: 3.
- [MATH 3070 - Statistical Methods I](#) Credit: 3. **or**
[MATH 3470 - Introductory Probability and Statistics](#) Credit: 3.

General Education

- [ENGL 1010 - English Composition I](#) Credit: 3.
- [ENGL 1020 - English Composition II](#) Credit: 3.
- [SPCH 2410 - Introduction to Speech Communication](#) Credit: 3. **or**
[PC 2500 - Communicating in the Professions](#) Credit: 3.
- [ENGL 2130 - Topics in American Literature](#) Credit: 3. **or**
[ENGL 2230 - Topics in British Literature](#) Credit: 3. **or**
[ENGL 2330 - Topics in World Literature](#) Credit: 3.
- [Humanities/Fine Arts Elective](#) Credit 6.²
- [Social/Behavioral Sciences Elective](#) Credit 6. ²
- [HIST 2010 - American History I](#) Credit: 3.
- [HIST 2020 - American History II](#) Credit: 3.
- [Science Sequence](#) Credit 8. ³

Other

- [ENGR 1020 - Connections to Engineering and Technology](#) Credit: 1. ¹
- [Lab Science](#) Credit 4.
- [Electives](#) Credit 3.

Note:

¹ Not required for transfer students with more than 12 hours.

² See TBR General Education Core Requirements.

³ Take your science sequence from BIOL 1105 -BIOL 1114, BIOL 1105-BIOL 2110, CHEM 1110-CHEM 1120, GEOL 1040-GEOL 1045 or PHYS 2110-PHYS 2120. The other science must be in a different discipline.

⁴ Select from one of the following: CSC 4010, CSC 4420, and CSC 4400.