

## McCormick School of Engineering Computer Science Major

Freshman		
Fall	Winter	Spring
Math 220-1	Math 220-2	Math 228-1
Gen_Eng 205- Basic Science w/ Lab (1)	Gen_Eng 205-2 ENGL 106-1 DSGN 106-1	Gen_Eng 205-3 ENGL 106-2 DSGN 106-2
CS 110 or 111	CS 111 or 150	CS 214 or 211
PRDV 101-1	PRDV 101-2	

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Sophomore		
Fall	Winter	Spring
Basic Eng (1) Basic Science w/. Lab (2)	Gen_CMN 102 Basic Eng (2)	Basic Eng (3) Basic Science w/ Lab (3)
CS 211 CS Breadth (1)	CS 213 CS Breadth (2)	CS 212 CS Breadth (3)

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Junior		
Fall	Winter	Spring
Basic Eng (4) CS Breadth (4) Theme (1) Tech Elect (1)	Basic Eng (5) Theme (2) CS Breadth (5) Tech Elect (2)	Project 1 Unrestricted (1) Theme (3) Tech Elect (3)

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Senior		
Fall	Winter	Spring
Unrestricted (2) Tech Elect (4) Project 2 Theme (4)	Tech Elect (5) Tech Elect (6) Unrestricted (3) Theme (5)	Unrestricted (4) Unrestricted (5) Theme (6) Theme (7)
48 or 49 units total		

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4 Basic Sciences [According to McCormick basic science guidelines](#)

Minimum of 4 units comprising courses from at least two approved areas. See Catalog for details.

No more than 2 units from earth and planetary sciences or astronomy.

No more than 3 units from any other area. Click link detail [general requirements](#)

- ASTRON 220-0
- BIOL\_SCI 215-0, BIOL\_SCI 217-0, BIOL\_SCI 219-0, BIOL\_SCI 220-0, BIOL\_SCI 221-0, BIOL\_SCI 222-0
- CHEM 131-0, CHEM 132-0, CHEM 141-0, CHEM 142-0, CHEM 151-0, CHEM 152-0, CHEM 161-0, CHEM 162-0, CHEM 171-0, CHEM 172-0, CHEM 181-0, CHEM 182-0, CHEM 210-1, CHEM 210-2
- CHEM\_ENG 275-0
- EARTH 201-0, EARTH 202-0, EARTH 203-0
- PHYSICS 135-2, PHYSICS 135-3, PHYSICS 136-2, PHYSICS 136-3 or PHYSICS 239-0

5 Basic Eng ◦ Probability, statistics, and quality control: EECS 302 or IEMS 201, 303

◦ 3 courses from at least two of the remaining basic engineering areas:

Computer architecture & numerical methods EECS 203-0, EECS 205-0, or EECS 328-0

Electrical scienc EECS 202-0, EECS 221-0, EECS 222-0, EECS 223-0, EECS 224-0, EECS 270-0 or MECH\_ENG 233-0 (233-CN)

Fluids and solid: BMD\_ENG 270-0, BMD\_ENG 271-0, CHEM\_ENG 321-0, CIV\_ENV 216-0, or MECH\_ENG 241-0

Materials science and engineering MAT\_SCI 201-0 or MAT\_SCI 301-0,

Systems engineering and analysis CHEM\_ENG 210-0, CIV\_ENV 304-0, IEMS 310-0, IEMS 313-0, or IEMS 326-0

Thermodynamic BMD\_ENG 250-0, CHEM\_ENG 211-0, MAT\_SCI 314-0, MAT\_SCI 315-0, MECH\_ENG 222-0, or MECH\_ENG 370-0

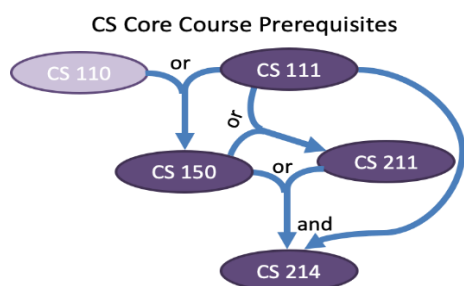
Click link detail [general requirements](#)

7 Theme <https://www.mccormick.northwestern.edu/students/undergraduate/social-science-humanities-theme/>

5 CS Breadth [Breadth courses in the Computer Science Degree](#)

6 Technical Elect [Technical electives](#)

2 Project [Project courses](#)



[Q&A in CS major email Advising](#)