Found on your degree audit, click on link for that particular requirement on your degree audit.

**U.S. Diversity, International Perspective, Arts & Humanities and Social Sciences approved course lists can be found on website and degree audit.**

**Elective courses**

MATH 140 - 3 cr, College Algebra
MATH 143 - 4 cr, Calculus Prep

MATH 165
Calculus I
4 Cr
C or Better

MATH 166
Calculus II
4 Cr
C or Better

MATH 331
Algorithms
(Pre-Req C- in Com S 228; Math 166, Com S 230 or CprE 310, Engl 150)
3 Cr
C or Better##

MATH 333
Theory of Computing
(Pre-Req C- in Com S 228, Math 166 and in ComS 230 or CprE 310, Engl 250)
3 Cr
C or Better##

STATISTICS
Option (choose one)
305, 330, 341
3 Cr

COM S 352
Introduction to Operating Systems.
(Pre-Req 321, 327, Engl 250)
3 Cr
C or Better##

COM S 227
Introduction to Object-Oriented Programming.
(Pre-Req placement into Math 143 or higher)
4 Cr
C or Better

COM S 228
Introduction to Data Structures, JAVA
(Pre-Req C- in Com S 228 and Math 165)
3 Cr
C or Better

COM S 331
Introduction to Computer Architecture & Machine level programming.
(Pre-Req C- in Com S 228 and Math 165; Com S 230 or CprE 281, Engl 250)
3 Cr
C or Better##

COM S 332
Object-Oriented Analysis & Design.
(Pre-Req Com S 228, Engl 250)
3 Cr
C or Better##

COM S 327
Advanced Program Techniques, C++
(Pre-Req C- in Com S 228 and Math 165)
3 Cr
C or Better

COM S 328
Com S 227, 127

COM S 351
Introduction to Object-Oriented Programming, JAVA
(Pre-Req placement into Math 143 or higher)
4 Cr
C or Better

COM S 355
Science - 13 Crs

MATH 201, 211/212 + labs
OR CHEM 177/178
+ Labs
OR PHYS 221/222

& ADDITIONAL SCIENCE REQUIREMENT:
ANTHR 202, ANTHR 307, BBMB 312,
BIOL 204, BIOLD 258, BIOL 312, BIOL 355,
CHEM 163-231, ENT 370, ENV S 324,
FS HN 167, GEN 313, GEN 313L,
GEN 320, GEOL 100-111, GEOL 201,
GEOL 451, MAT E 215 & 215L, MTEOR 206,
MTEOR 301, PSYCH 310, PSYH 221 or HIGHER.

ENGL 150
(If English ACT 24 or higher, placement into English 250.)
3 Cr
C or Better

ENGL 250
(Pre-Req ENGL 150 or exempt from ENGL 150)
3 Cr
C or Better

Arts & Humanities**
3 Cr

Social Science**
3 Cr

Elective or Language World 101
3/4 Cr *

Elective or World Language 102
3/4 Cr *

SpCm 212
Public Speaking
3 Cr

COM S 340
Principles of Programming Languages.
(Pre-Req C- in Com S 228 and Math 165; Com S 230 or CprE 310)
3 Cr
C or Better##

COM S 400
- 6 Credits

Deadlines for Computer Science courses need to be at the 300+ level or above in COM S courses while in residence at ISU.

2. Com S 407, 412, 418, 421, 424, 426, 433, 435, 440, 444, 454, 455, 472, 474, 477, 486, Math 481, CprE 431,
CprE 458, CprE 489

COM S 414 is not an elective option

**GRADUATION REQUIREMENT**
8 credits from Computer Science must be at the 300+ level or better from ISU.

Transfer Students must have at least 15.0 crs at 300+ level or above in COM S courses while in residence at ISU.

Last 32 Credits must be taken at Iowa State University.

Adviser can waive 6 of the last 32 credits taken at Iowa State.