1. MATH 165 Calculus I
   - 4 Cr
   - C or Better

2. MATH 166 Calculus II
   - 4 Cr
   - C or Better

3. COM S 227 Introduction to Object-Oriented Programming
   - R Cr
   - (Pre-Req placement into Math 145 or higher)

4. MATH 311 Algorithms
   - (Pre-Req C- in Com S 228 and Math 165)
   - 3 Cr
   - C or Better##

5. Select a Science Sequence from the list on the right.

6. 8-10 Crs total

7. Elective*

8. Elective*

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## Elective courses:
- Any course that is not remedial (can use minor or second major courses) - only need to meet 120 Cr total.
- ** U.S. Diversity, International Perspective, Arts & Humanities and Social Sciences approved course lists can be found on your degree audit, click on link for that particular requirement on your degree audit.

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### Requirements

**World Language**
- 1 year at college level or 3 years at high school

**Arts and Humanities – 12 Cr.**
1. Phil 343 – 3 Cr
2. Select additional 9 credits from LAS approved list on website and degree audit.

**Social Sciences - 9 Cr**
Select credits from the LAS approved list on website and degree audit.
- 3 cr. - U.S. Diversity
- 3 cr. - International Perspective.
Select credits from the University approved list on website and degree audit.

### Science Sequence Options

- BIOL 211/212 + Labs
- BIOL 255/256 + Labs
- CHEM 177/178 + Labs
- GEOL 100/102 + Labs
- PHYS 221/222
- PHYS 241/242

### Com S 300 - 6 Credits
300 Level options
- Com S 319, 336, 362, 363

### Com S 400 - 6 Credits
400 Level options
- Cpr E 416, Cpr E 431, Cpr E 458
- Cpr E 489

**Com S 414 is not an elective option**

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### Notes

- **GRADUATION REQUIREMENT**
  - 8 credits from Computer Science must be at the 300+ level courses with a grade of “C” 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.