| Class based on ALEKS Math |
| :---: |
| Assessment |
| MATH 140-3 cr |
| MATH 143-4 cr |

Com S 127
Introduction to programming
for problems solving
(Elective Course-4 Cr)

## MATH 165 <br> Calculus I

| COM S 230 |
| :---: |
| Discrete Computational |
| Structures |
| (Pre-Req C- in Math 165 |
| and ComS 227; Engl |
| 150). |
| $\mathbf{3 ~ c r}$ |
| c- or Better |


| MATH |
| :---: |
| Math option, |
| (Choose one) |
| 207, 265, 266, 267, 304, |
| 314,317 |
| $3 / 4 \mathrm{Cr}$ |



## COM S 327

Advanced Prog. Techniques, C++ (Pre-Req C- in Com S 228 and Math 165) 3 Cr
C- or Better\#\#


| COMS 400 |
| :---: |
| (Check Pre-Req |
| requirements) 400 |
| Level course from |
| approved options |
| 3 Cr |
| C- or Better\#\# |


| COM S 300/400 |
| :---: |
| (Check Pre-Req |
| requirements) 300/400 |
| level course from |
| approved options. |
| $\mathbf{3 ~ C r}$ |
| C- or Better |

TRANSFRABLE TO THE COMPUTER SCIENCE MAJOR AT IOWA STATE. View the lowa State Equivalency Guide at:
http/:www.admissions.iastate.edu/equiv/index.php
COM S 227
COM S 101
Introduction to ObjectOriented Programming, JAVA
(Pre-Req placement into Math 143 or higher) $4 \mathrm{Cr} / \mathrm{C}$ - or Better

| COM S 203 |
| :---: |
| Careers in Computer Science |
| $\boldsymbol{R} \mathbf{C r}$ |
| Coms 203 is a required |
| course to graduate in |
| Computer Science. |


| COM S 228 |
| :---: |
| Introduction to Data |
| Structures, JAVA |
| (Pre- Req C- in 227, |
| CR/E Math 165) |
| $\mathbf{3}$ Cr |
| C- or Better |


| COM S 300/400 | COM S 309 |
| :---: | :---: |
| (Check Pre-Req |  |
| requirements) | Software Development |
| 300/400 level course | Practices. |
| from approved |  |
| options. | (Pre-Req C-in |
| Coms 228 and Math 165) |  |
| $\mathbf{3 ~ C r / C - ~ o r ~ B e t t e r ~}$ | C- or Better\#\# |


| COM S 311 | COM S 321 |
| :---: | :---: |
| Algorithms | Introduction to Computer |
| (Pre-Req C- in Coms S | Architecture \& Machine level |
| programming. |  |
| 228; Math 166, Com S | (Pre-Req C- in Com S 228 and |
| 230 or CprE 310, | Math 165; ComS 230 or Cpre 281, |
| Engl 150) | Engl 250) |
| 3 Cr \\| C- or Better\#\# | $\mathbf{3 ~ C r \| ~ C - ~ o r ~ B e t t e r \# \# ~}$ |


|  |
| :---: |
| Humanities |
| 3 Cr |


| Social Science |
| :---: |
| $3 \mathrm{Cr}^{* *}$ |


| ENGL 150 |
| :---: |
| (If English ACT 24 or |
| higher, placement |
| into English 250. |
| 3 Cr |
| c-or Better rrior to 2017 |
| catalog |

## Arts \& Humanities 3 Cr**

| ENGL 250 |
| :---: |
| (Pre Req ENGL 150 or |
| exempt from ENGL150) |
| 3 Cr |
| C or Better |
| Lib 160 (orientation) |
| $\mathbf{1 ~ C r}$ |


| Social |
| :---: |
| Science |
| $3 C r^{* *}$ |


| Elective or |
| :---: |
| World Language |
| 101 |
| $3 / 4 \mathrm{Cr}^{*}$ |


\section*{| Elective or |
| :---: |
| World Language |
| 102 |
| $3 / 4 \mathrm{Cr} *$ |}

$$
\begin{array}{|c|}
\hline \text { com S 331 } \\
\text { Theory of Computing } \\
\text { (Pre-Req C- in Coms 228, } \\
\text { Math } 166 \text { and in Coms } \\
\text { 230 or CprE 310; Engl 250) } \\
3 \text { 3r } \\
\text { c- or Better\#\# } \\
\hline
\end{array}
$$

## STATISTICS

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

\section*{| COM S 300/400 |
| :---: |
| (Check Pre-Req |
| requirements) 300/400 |
| level course from |
| approved options. |
| $\mathbf{3 ~ C r}$ |
| C- or Better |}


|  |
| :---: |
| ENGL |
| $302 / 305 /$ |
| $309 / 314$ |
| 3 Cr |
| Cor Better |


| COM S 300/400 |
| :---: |
| (Check Pre-Req |
| requirements) |
| $300 / 400$ level course |
| from approved |
| options. |
| 3 Cr/C- or Better |


| Social Science |
| :---: |
| (can be combined |
| with U.S. Diversity |
| or International |
| Perspective |
| requirement) |
| $\mathbf{3} \mathbf{C r}^{* *}$ |



| Arts \& Humanities <br> (can be combined <br> with U.S. Diversity <br> or International <br> Perspective <br> requirement) <br> 3 Cr** | Elective* |
| :---: | :---: |

[^0]Computer Science Transfer Courses with a grade of "C" or better will be eligible for departmental review.

Please be aware that if you transfer in credits which fulfill all your general education requirements (right two columns( there may be semesters where you will not be a full time student. You may need to add a minor to meet full time status (12 credits or more.) Minor information can be found at: http://catalog.iastate.edu/collegescurricul a/minorstext

## Requirements

World Language:
1 year at the college level or 3 years at high school.
Arts and Humanities - $12 \mathbf{~ C r}$

1) Phil $343-3 \mathrm{Cr}$
2) Select an additional 9 Cr 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
${ }^{* *} 3 \mathrm{Cr}$ - International Persp.

## Science Sequence Options

BIOL 211/212 + Labs OR
BIOL 255/256 + Labs OR
CHEM 177/178 + Labs OR
GEOL 100/102 + Labs OR
PHYS 221/ 222 + Labs OR
PHYS 241/ 242 + Labs
Com S 300/400-15 credits
(Min of 6 credits at 400 level)

300 level options
Com S 319, 336, 362, 363

400 level options ( 6 credits) Com S 407, 409, 410, 412, 413, 415, 417, 418, 421, 424, 425, 426, 430, 433, 435,
437, 440, 441, 444, 453, 454, 455, 461, 472, 474, 476, 477, Math 481, 486, 487, CprE/SE 416, Cpr E 431, Cpr E 458, Cpr E 489

Com S 414 is not an elective option

## \#\# 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 lowa State University. Adviser can waive 6 of the last 32 credits taken at lowa State.


[^0]:    * Elective courses - Any course that is not remedial (can use minor or second major courses) Only needed 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.

