

World Language Proficiency: All students entering in Fall 2014 or later must demonstrate proficiency in a world language at the Novice High level before completing 60 credit hours. Novice high is the ability to communicate in writing and speaking on familiar topics in simple sentences. To meet this requirement, students may take college language courses or take a proficiency test. For more information go to www.wku.edu/modernlanguages/placement/.

Colonnade Program: All students entering in fall 2014 or later must complete 39 hours in 13 specific Colonnade areas. Colonnade areas are listed in parentheses marked in blue after the corresponding classes. Some areas may have specific course requirements while others can be chosen from selected lists of options. For more details and to see lists of options, go to Colonnade Requirements.

| THIRD YEAR | FALL SEMESTER |  | SPRING SEMESTER |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Arts \& Humanities (E-AH) | 3 | Natural \& Physical Science ${ }^{4}$ (E-NS) | 3 |
|  | CS 382 Programming Languages (Prerequisite: CS221) | 3 | Math Elective ${ }^{2}$ | 3 |
|  | Math Elective ${ }^{2}$ | 3 | CS 396 Intermediate <br> Software Project <br> (Prerequisite: CS 351, ENG <br> 300, COMM 145) | 3 |
|  | CS Elective ${ }^{1}$ | 3 | ENG 200 Intro to Literature $(\mathrm{F}-\mathrm{AH})$ | 3 |
|  | One course from math list², or one lab science class designed for science and engineering majors ${ }^{4}$ | 3 | Connections - Social \& Cultural (K-SC) | 3 |
|  | TOTAL CREDIT HOURS | 15 | TOTAL CREDIT HOURS | 15 |


| FOURTH YEAR | FALL SEMESTER |  | SPRING SEMESTER |  |
| :---: | :---: | :---: | :---: | :---: |
|  | CS Elective ${ }^{1}$ | 3 | CS Elective ${ }^{1}$ | 3 |
|  | CS 421 Data Structures and Algorithm Analysis <br> (Prerequisite: CS 339, STAT 301) | 3 | MathElective ${ }^{2}$ | 3 |
|  | CS 425 Operating Systems I (Prerequisite: CS 325, CS 382) | 3 | ENG 300 Writing in the Disciplines (F-W2) | 3 |
|  | Connections - Systems (K-SY) | 3 | CS 496 Senior Project \& Professional Practice (Prerequisite: CS 360, CS 396) | 3 |
|  | General Elective | 3 | $\begin{aligned} & \text { Connections - Local to Global } \\ & \text { (K-LG) } \\ & \hline \end{aligned}$ | 3 |
|  | TOTAL CREDIT HOURS | 15 | TOTAL CREDIT HOURS | 15 |
| Total Credit Hours: 120 |  |  |  |  |

All CS courses must be completed with a grade of 'C' or better
$1-12$ hours of CS electives chosen from CS 370, 381, 443, 445, 446, 450, and 456
2 - Math electives: Chose two courses from MATH 127, 137, 305, 307, 331, 405, 406, 470, and 473
3 - Lab Sciences: Choose one year ( 2 semester sequence) of a laboratory science and one additional science course from another discipline. All science courses must be designed for science or engineering majors
4 - Math/Science elective may be Math chosen from list in (2) above, or additional science class designed for science or engineering majors.

## PLEASE NOTE: Prerequisites, Course Numbers, and Course Titles are subject to change. Consult your advisor each semester.

Course Descriptions may be viewed at http://www.wku.edu/catalog FOR ADDITIONAL INFORMATION, PLEASE CONTACT:

| Department: | Computer Science |
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| Phone: | $270-745-4642$ |
| Website: | $\underline{\text { http://www.wku.edu/cs }}$ |

