## Computer Science BS Degree

## For "Undecided Engineering" students who switch to CS following the freshman year, start with CS 105, and do not take co-op

(Notes about how to map Engineering curriculum to CS curriculum indicated in red italics)

| FALL |  | SPRING |  | SUMMER |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| TERM 1 |  | TERM 2 |  |  |  |
| MA 121 <br> followed <br> by <br> MA 122 | Differential Calculus <br> Integral Calculus | MA 123 followed by MA 124 | Series, Vectors, Functions, and Surfaces <br> Calculus of Two Variables |  |  |
| E 101 | Engineering Experiences (Together with Spring E 122 counts as one Free elective) | MGT 103 | Intro to Entrepreneurship (Extra course) |  |  |
| $\begin{aligned} & \text { E } 121+ \\ & \text { E } 120 \end{aligned}$ | Engineering Design I Engineering Graphics (Together count as one Free elective) | E 122 | Engineering Design II (Together with Fall E 101 counts as one Free elective) |  |  |
| E 115 | Intro. to Programming (Does not count; extra course) |  |  | CS 105 | Intro to Scientific Computing (offered via WebCampus) |
| CH 115 | Chemistry I <br> (Counts as Science I) | PEP 111 | Mechanics (Counts as Math/Science elective) |  |  |
| CH 117 | Chemistry Lab (Counts as Science Lab) | Science | (Counts as Science II only if CH 116 or CH 281 is taken; a different course will count as Math/Science elective) |  |  |
| $\begin{aligned} & \text { CAL } \\ & 103 / 105 \end{aligned}$ | Humanities | $\begin{aligned} & \text { CAL } \\ & 105 / 103 \end{aligned}$ | Humanities |  |  |
| PE 200 | Phys. Ed. I | PE 200 | Phys. Ed. II |  |  |
| TERM 3 |  | TERM 4 |  |  |  |
| CS 115 | Intro to Computer Science | CS 284 | Data Structures | $\begin{aligned} & \text { CS } 385 \text { or } \\ & \text { CS } 590 \end{aligned}$ | Algorithms (CS 385 offered on campus; equivalent course CS 590 offered via WebCampus) |
| CS 135 | Discrete Structures | $\begin{aligned} & \text { CS } 383 \text { or } \\ & \text { CS } 550 \end{aligned}$ | Computer Organization \& Programming |  |  |
| CS 146 | Intro. to Web <br> Programming and Project Development | CS 347 | Software Development Process (prereq waived) |  |  |
| BT 353 | Project Management | MA 222 | Probability \& Statistics |  |  |
| HUM | Humanities 200 level |  | (If CH 116 or CH 281 was taken in Term 2, this course should be a Math/Science elective. If a different science course was taken in |  |  |


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