| YEAR 1 spring |  | YEAR 2 spring |  | YEAR 3 |  | YEAR 4 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| *MATH 220 (4) | *MATH 221 (4) | MATH 222 (4) | MATH 340 (4) | ECE 431 (3) | MATH 510 (3) | ECE 590 (3) | ECF591 (2) |
|  |  |  |  | Microcontrollers <br> PR: ECE 241, CIS 209 or 200 | Discrete Mathematics <br> PR: MATH 22 | Senior Design Experiencel $\qquad$ | Senior Design Experience II PR:EE590 |
| Cis 116(1) | ECE 241 (3) | *PHYS 213 (5) | PHYS 214 (5) | ECEF525 (3) | ECF 512 (3) | OECE 542 (3) | OECE 645 (3) |
| Introduction to Programming | $\begin{aligned} & \text { Introduction to Electrical } \\ & \text { and Computer Engineering } \end{aligned}$ | Engineering Physics I $\begin{gathered} \mathrm{KSC}-4 \\ \mathrm{PR} / \mathrm{CO}: \text { MATH } 220 \end{gathered}$ |  | Electronics I <br> PR: ECE 410 or ECE 519 |  | Computer Networking <br> PR: ECE 241, STAT 510 | Digital Electronics <br> PR:ECE525,441 |
| DEN 160 (1) | CIS 200 (4) | Cis 300 (3) | Cis 308 (1) | Cis 400 (3) | ECE 649 (3) | OECE 643 (3) | -C15 520 (3) |
| College of Engineering Orientation | Programming Fundamentals <br> PR:CIS 116 PR/CO:MATH 205 or 220 | Data and Program Structures Structures PR: $C$ IS $200 \geq C$ | PR: $C I S 300 \geq C$ | Object-Oriented Design, <br> Implementation <br> Testing <br> PR:Csis $300 \geq 6$ | Computer Design I <br> PR: ECE 441 | (empter Eingeing |  |
| DEN 161 (1) | *ENGL 200 (3) | ECE 410 (4) | ECE 441 (3) | ECE540 (3) | Allective (3) | Allective (3) | * Hective (3) |
| Engineering Problem Solving <br> PR/CO: MATH 150 | Expository Writing II $\begin{aligned} & \text { KSC-1 } \\ & \text { PR: ENGL } 100 \end{aligned}$ | Circuit Theory I <br> PR:MATH 221 | Design of Digital Systems <br> PR:ECE 241 |  | Teeminial | Teeminial |  |
| *ENGL 100 (3) |  |  | STAT 510 (3) | *Elective (3) | *Ilective (3) | *Hective (3) | *Elective (3) |
| Expository Writing 1 <br> kSc-1 |  |  |  | Institutional <br> KSC-7 | Arts and Humanities <br> KSC-6 | Arts and Humanities <br> KSC-6 | Institutional KSC-7 |


| *COMM 106 (3) |
| :---: |
| Public Speaking <br> KSC-2 |
| *Elective (3) |
| Social and Behavioral <br> Sciences <br> KSC-2 |


| (16 credit hours) | ( 14 credit hours) $\quad$ ( 16 credit hours) $\quad$ ( 16 credit hours) $\quad$ ( 16 credit hours) $\quad$ ( 15 credit hours) $\quad$ ( 15 credit hours) $\quad$ (14 credit hours) |
| :--- | :--- | :--- | :--- | :--- | :--- |

Kansas State
Carl R. Ice
UNIVERSITY
College of Engineering

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## Computer Engineering Curriculum Notes

For the good and benefit of the student and their future employer, the ECE department enforces a C-prerequisite policy for all courses listed by number in the curriculum and for any in-major technical elective course applied toward the degree. A grade of Cor better must be earned in all prerequisites to such a course before enrolling in that course.

## Technical Electives

Technical electives must be selected from the list of accepted courses.
No more than twelve (12) credit hours of courses with prefixs ECE may be transferred to Kansas State University for credit toward a bachelor's degree in either electrical engineering or computer engineering. Further, those courses selected for transfer credit must be equivalent to courses in the list below and must be such that the prerequisites for the listed course are also satisfied. Any courses listed below transferred must be taken from ABET accredited programs: ECE 241, ECE 410, ECE 525

## K-State Core

The K-State Core (KSC) is the university's version of the systemwide general education framework established by the Kansas Board of Regents.

KSC requirement 1 - English (6 hours)
KSC requirement 2 - Communications (3 hours)
KSC requirement 3 - Math and Statistics (3 hours)
KSC requirement 4 - Natural and Physical Sciences (4-5 hours)
KSC requirement 5* - Social and Behavioral Sciences (6 hours)
KSC requirement $6^{*}$ - Arts and Humanities (6 hours)
KSC requirement 7 - Institutional Electives (6 hours)

To view course lists for each requirement, visit k-state.edu/provost/kstate-core.
*Requires two courses from two different subject areas.


[^0]:    Flowchart is for advising purposes only. Students are responsible for complying with University Catalog requirements.

