

|  | 1 H | Course \＃ | Course Title | ${ }_{\text {Min }}^{\text {Girae }}$ |  | Prerequisite | Additional Notes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 3 | $\begin{aligned} & \hline \text { CSCI 33XX or } \\ & \text { CSCI 43XX } \end{aligned}$ | Computer Science Advanced Elective |  |  | Pre－requisites vary | See degree plan for options． |
|  | 3 | CSCI 3333 | Algorithms and Data Structures | C |  | Grade of C or better in：［CSCI 3310 or MATH 2346 or MATH 2305］ and［CSCI 2380 or CMPE 2380］． |  |
| 兄 | 3 | CSCI 3336 | Organization of Programming Languages | C |  | Grade of C or better in：［CSCI 2380 or CMPE 2380］and［CSCI 3326 or CMPE 3326 or CSCI 3327 or CMPE 3327 or CSCI 3328 or CMPE 3328］． |  |
|  | 3 | ENGL 3342 | Technical Communication |  |  | 6 hours of ENGL coursework |  |
| 莍 | 3 | POLS 2305 | U．S．Federal Govt \＆Politics |  | 070 |  |  |
|  | 15 Semester Total Hours |  |  |  |  |  |  |
|  | 3 | CSCI 3340 | Software Engineering I | C |  | Grade of C or better in：［ 3 advanced hours in CSCI or CMPE or EECE］and［CSCI 2380 or CMPE 2380］． |  |
|  | ${ }^{3}$ | Choose 1 | Computer Science Prescribed Elective－Databases， Architecture，Networking，and Operating Systems | C |  | CSCI 3333 for Databases；［CSCI 2380 or CMPE 2380］and［CSCI 2333 or CMPE 2333 or ELEE 3435 or CMPE 3437 or EECE 3435］for Architecture， Networking，and Operating Systems | Choose from：CSCl 4333 Database Design and Implementation or CSCI 4334 Operating Systems or CSCI 4335 Computer <br> Architecture or CSCl 4345 Computer Networks |
|  | 3 | MATH 2318 | Linear Algebra |  |  | MATH 2413 with a grade of＇C＇or better |  |
|  | 3 | POLS 2306 | Texas Government \＆Politics |  | 070 |  |  |
|  | 3 | Choose 1 | Free Elective－Any Level |  |  |  |  |
|  | 15 Semester Total Hours |  |  |  |  |  |  |
|  | H | Course＊ | Course Tille | ${ }_{\text {Minate }}^{\text {Min }}$ | GEC | Prerequisite | Additional Notes |
|  | 3 | Choose 1 | Computer Science Prescribed Elective－Databases， Architecture，Networking，and Operating Systems | C |  | CSCI 3333 for Databases；［CSCI 2380 or CMPE 2380］and［CSCI 2333 or CMPE 2333 or ELEE 3435 or CMPE 3437 or EECE 3435］for Architecture， Networking，and Operating Systems | Choose from：CSCl 4333 Database Design and Implementation or CSCI 4334 Operating Systems or CSCI 4335 Computer <br> Architecture or CSCl 4345 Computer Networks |
|  | 3 | CSCI 4325 | Automata，Formal Languages，and Computability | C |  | Grade of C or better in：CSCI 3333 or CMPE 3333. |  |
| 运 | 3 | $\begin{aligned} & \text { CSCl 33XX or } \\ & \text { CSCI 43XX } \end{aligned}$ | Computer Science Advanced Elective |  |  | Pre－requisites vary | See degree plan for options． |
|  | 1 | Choose 1 | Integrative／Experiential Learning（Core） |  | 090 |  | Choose an additional 1－hour course from this category except PHIL 2326 |
|  | 1 | Choose 1 | Free Elective－Any Level |  |  |  |  |
|  | 3 | Choose 1 | Support Course－Statistics |  |  |  | STAT 3337 or STAT 3301 or EECE 3340 |
|  | 3 | Choose 1 | Creative Arts（Core） |  | 050 |  | See General Education Core for course options． |
|  | 17 Semester Total Hours |  |  |  |  |  |  |
|  | 3 | $\begin{aligned} & \text { CSCI 33XX or } \\ & \text { CSCI 43XX } \end{aligned}$ | Computer Science Advanced Elective |  |  | Pre－requisites vary | See degree plan for options． |
|  | 3 | Choose 1 | Free Elective－Any Level |  |  |  |  |
|  | 3 | Choose 1 | American History（Core） |  | 060 |  | HIST 1302 or HIST 2328 |
| 年 | 3 | Choose 1 | Social and Behavioral Sciences（Core） |  | 080 |  | See General Education Core for course options． |
|  | 3 | CSCI 4390 | Senior Project |  |  | Grade of C or better in CSCI 3340 or CMPE 3340 and consent of instructor |  |
|  | 15 Semester Total Hours |  |  |  |  |  |  |

Graduation Requirements
All courses in the Computer $S$
CORE：The 2023－2024 list of core courses can be found in the 2023－2024 Undergraduate Catalog：www．utrgv．edu／catalog＞See＇Core Curriculum＇

## Symbols Key

## Critical（＇？＇）：sequence sensitive course．

Minimum Grade：A－Excellent；B－Good；C－Satisfactory；D－Below Average

120 TOTAL HOURS（ 42 advanced minimum credit hours）

General Education Core（GEC）Sections： 010 －Communication； 020 －Mathematics； 030 －Life and Physical Sciences； 040 －Language，Philosophy General Education Core（GEC）Sections： 010 －Communication；020－Mathematics； 030 －Life and Physical Sciences； 040 －Language，Philoso
\＆Culture； 050 －Creative Arts； 060 －American History； 070 －GovernmentPolitical Science； 080 －Social and Behavioral Sciences； 000 －Applied \＆Culture； 050 －Creative Arts； 060 －American History；070－Government Political Science；080－Social and Behavioral Sciences；090－Applied
Communication and Literacies； 090 －Humanities； 090 －Leadership； 090 －Science Labs； 090 －Interdisciplinary ；090－Technologies； 090 －Language Diversity \＆Writing．

