

Alvin CC AAS Computer Info Tech-Computer Programming to LU BS Game Development

| First Year at Alvin CC         | FALL      |                            |                                  | SPRING         |                           |                                  | SUMMER |       |              |
|--------------------------------|-----------|----------------------------|----------------------------------|----------------|---------------------------|----------------------------------|--------|-------|--------------|
|                                | Course    | Title                      | Credit Hours                     | Course         | Title                     | Credit Hours                     | Course | Title | Credit Hours |
|                                | BCIS 1305 | Bus Comp App               | 3                                | COSC 1437      | Prog Fund II              | 4                                |        |       |              |
|                                | COSC 1436 | Prog Fund I                | 4                                | ENGL 1301      | English Comp I            | 3                                |        |       |              |
|                                | ITNW 1325 | Fund of Ntwrkng            | 3                                | IMED 2415      | Web Design II             | 4                                |        |       |              |
|                                | ITNW 1358 | Network                    | 3                                | MATH 1314/1332 | College Alg or Quant Reas | 3                                |        |       |              |
|                                | ITSE 1431 | Intro to Visual BASIC Prog | 4                                |                |                           |                                  |        |       |              |
| <b>Fall Total Credit Hours</b> |           | <b>17</b>                  | <b>Spring Total Credit Hours</b> |                | <b>14</b>                 | <b>Summer Total Credit Hours</b> |        |       |              |

| Second Year at Alvin CC        | FALL      |                            |                                  | SPRING      |  |                                  | SUMMER |       |              |
|--------------------------------|-----------|----------------------------|----------------------------------|-------------|--|----------------------------------|--------|-------|--------------|
|                                | Course    | Title                      | Credit Hours                     | Course      | Title  | Credit Hours                     | Course | Title | Credit Hours |
|                                | COSC 2336 | Prog Fund III              | 3                                | COSC 2325   | Comp Org                                       | 3                                |        |       |              |
|                                | ITSE 2409 | Database Prog              | 4                                | ITSW 1404   | Intro to Sprdshts                              | 4                                |        |       |              |
|                                | ITMT 1357 | Admin Windows Svr Oper Sys | 3                                | LPC/CA Core | Lang, Phil, Culture Core or Creative Arts Core | 3                                |        |       |              |
|                                | ITMT 1358 | Windows Client Oper Sys    | 3                                | SBS Core    | Soc/Behav Sci Core                             | 3                                |        |       |              |
|                                | SPCH 1315 | Public Speaking            | 3                                |             |  |                                  |        |       |              |
| <b>Fall Total Credit Hours</b> |           | <b>16</b>                  | <b>Spring Total Credit Hours</b> |             | <b>13</b>                                      | <b>Summer Total Credit Hours</b> |        |       |              |

| Third Year at Lamar University | FALL      |                              |                                  | SPRING                 |                              |                                  | SUMMER |       |              |
|--------------------------------|-----------|------------------------------|----------------------------------|------------------------|------------------------------|----------------------------------|--------|-------|--------------|
|                                | Course    | Title                        | Credit Hours                     | Course                 | Title                        | Credit Hours                     | Course | Title | Credit Hours |
|                                | COSC 1172 | Think, Speak, Write          | 1                                | History Core           | History Core                 | 3                                |        |       |              |
|                                | L&PS Core | Life & Physical Science Core | 4                                | L&PS Core              | Life & Physical Science Core | 4                                |        |       |              |
|                                | MATH 2413 | Calculus I                   | 4                                | MATH 1342 or MATH 3370 | Statistics Choice            | 3                                |        |       |              |
|                                | LPC Core  | Lang/Phil/Culture Core       | 3                                | COSC 2324              | Mobile Comp Game Dev         | 3                                |        |       |              |
|                                | COSC 1324 | Art of Comp Game Dev         | 3                                | COSC 2375              | Discrete Structures          | 3                                |        |       |              |
| <b>Fall Total Credit Hours</b> |           | <b>15</b>                    | <b>Spring Total Credit Hours</b> |                        | <b>16</b>                    | <b>Summer Total Credit Hours</b> |        |       |              |

| Fourth Year at Lamar University | FALL         |                  |                                  | SPRING    |                              |                                  | SUMMER |       |              |
|---------------------------------|--------------|------------------|----------------------------------|-----------|------------------------------|----------------------------------|--------|-------|--------------|
|                                 | Course       | Title            | Credit Hours                     | Course    | Title                        | Credit Hours                     | Course | Title | Credit Hours |
|                                 | History Core | History Core     | 3                                | POLS 2301 | Political Science I          | 3                                |        |       |              |
|                                 | MATH 2318    | Linear Algebra   | 3                                | COSC 3308 | Design Prog Lang             | 3                                |        |       |              |
|                                 | COSC 3306    | UNIX/C ++        | 3                                | COSC 3304 | Algorithms Design & Analysis | 3                                |        |       |              |
|                                 | COSC 4324    | Comp Game Dev I  | 3                                | COSC 4325 | Comp Game Dev II             | 3                                |        |       |              |
|                                 | COSC 3325    | Comp Law /Ethics | 3                                | COSC 3302 | Intro to Comp Theory         | 3                                |        |       |              |
| <b>Fall Total Credit Hours</b>  |              | <b>15</b>        | <b>Spring Total Credit Hours</b> |           | <b>15</b>                    | <b>Summer Total Credit Hours</b> |        |       |              |

|                                       |  |  |  |  |  |  |  |  | FALL                           |                          |              | SPRING    |                                  |              | SUMMER    |                                  |              |
|---------------------------------------|--|--|--|--|--|--|--|--|--------------------------------|--------------------------|--------------|-----------|----------------------------------|--------------|-----------|----------------------------------|--------------|
|                                       |  |  |  |  |  |  |  |  | Course                         | Title                    | Credit Hours | Course    | Title                            | Credit Hours | Course    | Title                            | Credit Hours |
| <b>Fifth Year at Lamar University</b> |  |  |  |  |  |  |  |  | POLS 2302                      | Political Science II     | 3            | ENGL 1302 | English Comp II                  | 3            |           |                                  |              |
|                                       |  |  |  |  |  |  |  |  | COSC 4380                      | 3D Model & Comp Graphics | 3            | CPSC 4381 | 3D Animat for Comp Graphics      | 3            |           |                                  |              |
|                                       |  |  |  |  |  |  |  |  | COSC 4302                      | Operating Syst           | 3            | CPSC 4317 | Comp Networks                    | 3            |           |                                  |              |
|                                       |  |  |  |  |  |  |  |  | CPSC 4360                      | Software Eng             | 3            | CPSC 4370 | Artificial Intell                | 3            |           |                                  |              |
|                                       |  |  |  |  |  |  |  |  | COSC 4310                      | Comp Architect           | 3            | COSC 4319 | Comp Graphics                    | 3            |           |                                  |              |
|                                       |  |  |  |  |  |  |  |  |                                |                          |              | COSC 4272 | Senior Assmt                     | 2            |           |                                  |              |
|                                       |  |  |  |  |  |  |  |  | <b>Fall Total Credit Hours</b> |                          |              | <b>15</b> | <b>Spring Total Credit Hours</b> |              | <b>17</b> | <b>Summer Total Credit Hours</b> |              |