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| **Howard College & Angelo State Co-Enrollment Degree Plan: PreCalculus** **Howard College Courses** |
| **Howard College Fall Semester Year 1** | **sch** |  | **Howard College Spring Semester Year 1** | **sch** |
| MATH 2412 | Pre-Calculus | 4 |  | MATH 2413 | Calculus I  | 4 |
| ENGL 1301 | Composition I | 3 |  | ENGL 1302 | Composition II | 3 |
| HIST 1301 | United States History I | 3 |  | HIST 1302 | United States History II | 3 |
| BIOL 1308/1108 | Biology for Non-Science Majors I | 4 |  | CS 1336 | Computer Science | 3 |
| EDUC 1100 | Learning Frameworks | 1 |  | Core Course | \*Creative Arts | 3 |
|  | TOTAL | **15** |  |  | TOTAL | **16** |
|  |  |  |  |  |  |  |
| **Howard College Fall Semester Year 2** | **sch** |  | **Howard College Spring Semester Year 2** | **sch** |
| *ENGR 1201* | *Intro to Engineering @ ASU*Howard Elective | *2* |  | *ENGR 1304* | *Engineering Graphics @ ASU*Howard Elective | *3* |
| MATH 2414 | Calculus II (online- Acadium?) | 4 |  | MATH 2415 | Calculus III (online- Acadium?) | 4 |
| CHEM 1311/1111 | General Chemistry I \*Discuss ASU ITV/distance options | 4 |  | PHYS 2325/2125 | University Physics I\*Discuss ASU ITV/distance options | 4 |
| GOVT 2305 | Federal Government | 3 |  | GOVT 2306 | Texas Government | 3 |
| Core Course | \*Language, Philosophy & Culture | 3 |  |  |  |  |
|  | TOTAL | **16** |  |  | TOTAL | **14** |
|  |  |  |  |  |  |  |
| **Summer** |  |  |  |  |
| **ASU Link** |  | **sch** |  |  |  |  |
| **ENGR 1308** | Introduction to Geomatics | **3** |  |  |  |  |
|  | TOTAL | **3** |  |  |  |  |
|  |  |  |  |  |  |  |
| **Howard College Fall Semester Year 3** | **sch** | **TRANSFER** | **ASU Spring Semester Year 3** | **sch** |
| *ENGR 2301* | *Engineering Statics @ ASU*Howard Elective | *3* | ENGR 2302 | Engineering Dynamics  |  3 |
| PHYS 2326/2126 | University Physics II\*Discuss ASU ITV/distance options | 4 | ENGR 2318 | Economics & Sust. of Infra. |  3 |
| SPCH 1315 | Public Speaking | 3 | ENGR 2332 | Mechanics of Materials |  3 |
| Core Course | \*Social & Behavioral Sciences | 3 | MATH 3324 | Applied Math for Engineering | 3 |
|  | TOTAL | **13** | ENGR 3305 | Probability & Risk | 3 |
|  |  |  |  | TOTAL | **15** |
|  |  |  |  |  |  |

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| **Howard College & Angelo State Co-Enrollment Degree Plan: PreCalculus****Angelo State Courses**  |
| **ASU Fall Semester Year 4** | **sch** |  | **ASU Spring Semester Year 4** | **sch** |
| CENG 3311 | Transportation Intro | 3 |  | CENG 3341 | Geotech Intro | 3 |
| ENGR 3404 | Fluid Mechanics | 4 |  | CENG 3352 | Hydrology & Hydraulics | 3 |
| ENGR 3331 | Engineering Materials | 3 |  | CENG 4xxx | Advanced Design Elective | 3 |
| CENG 3361 | Structural Analysis | 3 |  | ENGR 4201 | Professional Engineering Practice | 2 |
|  |  |  |  | CENG 3xxx | Engr/Math/Science Elective | 3 |
|  | TOTAL | **13** |  |  | TOTAL | **14** |
|  |  |  |  |  |  |  |
| **Senior Year** |
| **ASU Fall Semester Year 5** | **sch** |  |  |  |
| CENG 4380 | CE Senior Design  | 3 |  |  |  |  |
| CENG 3351 | Environmental Intro | 3 |  |  |  |  |
| CENG 4xxx | Advanced Design Elective | 3 |  |  |  |  |
| CENG 4xxx | Advanced Technical Elective | 3 |  |  |  |  |
|  | TOTAL | **12** |  |  |  |  |
|  |  |  |  | **BSCE Complete Total** | **131** |

\*See core curriculum course options