



**South Texas College**  
**Six-Year College Tech Prep Program Degree Plan**  
**Associate of Applied Science Degree in Diesel Technology**  
**SOUTH TEXAS ISD-Med High**



| High School 4 Year Program  |   |                               |   |   | College Four-Semester Program                  |  |   |  |
|---|---|-------------------------------|---|---|--|--|---|--|
| Subject   | 9   | 10                            | 11  | 12  | Sem. 1   | Sem. 2   | Sem. 3  | Sem. 4   |
|   | Full Yr   | Full Yr                       | Full Yr   | Full Yr   |  |  |   |  |
| English (4)   | English I   | English II                    | English III (*English III AP for ENGL 1301 & ENGL 1302)                       | English IV (*English IV AP for ENGL 2321 and ENGL 2341) |  |  |   | *ENGL 1301 Composition   |
| Math (4)  | Algebra I or Algebra II                           | Geometry or Algebra II        | Algebra II or Pre-Calculus (*Pre-Calculus Pre-AP for MATH 1414 and MATH 2412) | Pre-Calculus or Calculus                                |  |  |   | *Math/Natural Sciences Elective (MATH 1414 or MATH 2412 or BIOL 1408 or BIOL 1409) |
| Science (4)   | Biology (*Biology AP for BIOL 1408 and BIOL 1409) | Chemistry                     | Physics   | Advanced Science  |  |  |   |  |
| Humanities/Social Studies (4)   | World Geography                                   | World History                 | US History (*History AP for HIST 1301)  | Government and Economics                                |  |  |   | *Social Behavioral Science Elective (HIST 1301)                                    |
| Foreign Language (2 Rec., 3 DAP) / Fine Arts (1)  | Foreign Language I                                | Foreign Language II           | Foreign Language III  | Fine Arts Elective                                      |  |  |   | *Humanities/Fine Arts Elective (ENGL 2321 or ENGL 2341)                            |
| PE (1.5) /Health (.5) /Speech (.5)  | PE  | PE & Health                   | Speech  |   |  |  |   | SPCH 1318 Interpersonal Communications   |
| Technology Applications (1)   | BCIS I  |                               |   |   |  |  | DEMR 1435 Automatic Power Shift & Hydrostatic Transmissions I |  |
| Tech Prep and CTE Courses   |   | Diesel Mechanics I (12579501) | ***Diesel Mechanics II (125795T2)   |   | ***DEMR 1401 Diesel Shop Safety and Procedures | AUMT 1345 Hutmotive Heating & Air Conditioning | DEMR 2432 Electronic Controls                                 |  |
| Additional Tech Prep and CTE Courses  |   |                               |   |   | DEMR 1416 Basic Hydraulics                     | DEMR 1417 Basic Brake Systems                  | DEMR 1230 Steering & Suspension I                             |  |
| Additional Tech Prep and CTE Courses  |   |                               |   |   | DEMR 1410 Diesel Engine Testing & Repair I     | DEMR 1405 Basic Electrical Systems             | DEMR 1303 Basic Driving Skills                                |  |
| Additional Tech Prep and CTE Courses  |   |                               |   |   | DEMR 1229 Preventative Maintenance             | DEMR 1442 Power Train Applications I           | DEMR 1266 CAPSTONE: Practicum                                 |  |
| EXIT POINTS   |   |                               |   |   |  |  | Certificate in Diesel Technology                              | AAS in Diesel Technology   |
| <b>LEGEND:</b><br><div style="background-color: red; color: white; padding: 2px;">* This course is an academic course available through STC dual enrollment.</div> <div style="background-color: yellow; color: black; padding: 2px;">** This course is a technical course available through STC dual enrollment.</div> <div style="background-color: cyan; color: black; padding: 2px;">***This course is eligible for ATC credit with STC if taught by a certified High School Instructor.</div> <div style="background-color: green; color: black; padding: 2px;">****This course is a technical course available through ATC credit or Dual Enrollment with STC.</div> <b>NOTE: STC has upward-articulation agreements with universities that give students who complete this AAS degree the option to continue into a baccalaureate program.</b> |   |                               |   |   | ATC Crosswalk with STC Courses                 |  |   |  |
|   |   |                               |   |   | High School Course                             |  | STC Credit Granted  |  |
|   |   |                               |   |   | Diesel Mechanics II (125795T2)                 |  | DEMR 1401 Diesel Shop Safety & Procedures                     |  |