



Academic Map: Diesel Heavy Equipment Master Technician (AAS)

Associate of Applied Science (A.A.S) | 62 Total Credits | CSN Degree Code: DLS-AAS | Catalog Year: 2022-2023 |

Industry, Manufacturing, Construction & Transportation Advanced and Applied Technologies Department of Applied Technologies Jobs and Employment Information: <https://www.csn.edu/imctarea>

DESCRIPTION: The Diesel/Heavy Equipment program prepares students to enter the workforce as technicians to maintain, diagnose, and repair heavy equipment. The program focuses both on over the road trucks as well as diesel powered heavy equipment typically used in the construction industry.

TERM 1 – TOTAL CREDIT HOURS: 17-19

| | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Min Grade</u> | <u>Milestones and Notes</u> |
|--|-----------------------|--|--------------------|-------------------------|------------------------------------|
| MATH 104B Applied Mathematics | 3 | None | GE Math | C | |
| ENG 107 Technical Communications | 3-5 | ENG Place Score; or C or up in ENG 98 or ESL 139 | GE ENG | C | |
| COM 101 Oral Communications | 3 | None | GE FA/Hum/SS | C | |
| DT 104 Diesel Equipment Service | 4 | None | Special Prog Req | C | |
| DT 115 Diesel/Heavy Equipment Elec Systems | 4 | DT 104 | Special Prog Req | C | Mandatory Advising Required |

TERM 2 – TOTAL CREDIT HOURS: 15

| | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Min Grade</u> | <u>Milestones and Notes</u> |
|---|-----------------------|--|--------------------|-------------------------|------------------------------------|
| ALS 101 College Success | 3 | None | GE Hum Rel | C | |
| DT 117 Adv Diesel/Heavy Equip Electronics | 4 | DT 115 or Instructor Approval | Special Prog Req | C | |
| DT 136 Diesel Engine Repair I | 4 | DT 104 | Special Prog Req | C | |
| DT 145 Diesel Brake Systems | 4 | DT 115 | Special Prog Req | C | Mandatory Advising Required |

TERM 3 – TOTAL CREDIT HOURS: 15

| | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Min Grade</u> | <u>Milestones and Notes</u> |
|---|-----------------------|--|--------------------|-------------------------|------------------------------------|
| DT 138 Diesel Engine Repair II | 4 | DT 136 or Instructor Approval | Special Prog Req | C | |
| DT 150B Diesel Hydraulics | 4 | DT 104 | Special Prog Req | C | |
| DT 155 Steering, Susp, & Hyd Dir Controls | 4 | DT 104 | Special Prog Req | C | |
| ENV 101 Intro to Environmental Science | 3 | None | GE Nat Science | C | Mandatory Advising Required |

TERM 4 – TOTAL CREDIT HOURS: 15

| | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Min Grade</u> | <u>Milestones and Notes</u> |
|---|-----------------------|--|--------------------|-------------------------|------------------------------------|
| PSC 101 or HIST 100 | 4 | None | GE US/NV Cons | C | |
| COM 115 Applied Communications | 3 | None | GE Com | C | |
| DT 165 Diesel/Heavy Equip Heating, AC | 4 | DT 115 | Special Prog Req | C | |
| DT 205 Dies/Heavy Equip Drive Train & Axles | 4 | DT 104 | Special Prog Req | C | Apply for Graduation |