Montana State University-Billings
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Montana State University Billings
Energy-Related Programs

- **University Campus**: Current Enrollment 2691
  - Biological and Physical Sciences 165
    - University Campus-Chemistry 100% of 2018 graduates employed in-field, average salary $60,000
    - Phillips 66 internship - analytical chemistry in petroleum manufacturing process
    - Energy Labs - analytical chemistry of environmental samples
Energy-Related Programs

• **City College:** Current Enrollment 1725
  • Process Plant Technology and Energy Technician 57
    – 91% of PPT 2018 graduates employed in-field, average salary $68,000
    – Industrial fabrication skillset: tools, craftspeople, operators.
    – Instrument and Electrical Technician program new Fall 2019 responds to demand from industry.
Research

• City College
  – MREDI-funded alternative fuels furnace design, fabrication, and testing
  – Future Directions
    • Immersive Technology - 3D immersive simulators for authentic training and increased operator competency
    • Agricultural (straw) or consumer (plastics) byproducts for fuel
    • Combustion device improvement including residential pellet stoves for distressed fuels

• University Campus
  – MREDI and INBRE funded Superfund cleanup-carbon tetrachloride remediation
  – Future Directions
    • Collaboration between Botany and Chemistry, synchrotron spectroscopy for tomography of plants.