

# EXTRACTIVE RESOURCES TECHNOLOGY

## Faculty

Kreckel

The extractive resources technology program is designed to provide the student with the knowledge and skills required for employment in the petroleum and natural gas industries. The program gives the students a broad range of skills that are essential for technicians who want to work in the petroleum and natural gas service, production, transportation, and refining industries. Students can receive a two-year associate of applied science degree or a one-year certificate in the area of extractive resources technology.

## Associate of Applied Science Degree Extractive Resources Technology

### (Recommended Curriculum)

General Education (Minimum 17 credits) Credits  
General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation (One course minimum)
  - Science
  - Mathematics
2. Communication (One course minimum)
  - Written or spoken communication
3. Relationship with the World (One course minimum)
  - Human behavior
  - U.S. and Wyoming constitutions . . . . . 1-3
  - Cultural environment
4. General Education Electives
  - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education . . . . . 1

### Major Requirements-Instrumentation Option

DESL 1850 Basic Hydraulics . . . . .	3
ELTR 1535 Electrical Power . . . . .	3
ELTR 1570 Electric Circuits . . . . .	4
ELTR 1605 Process Control . . . . .	3
ELTR 1620 Electrical Concepts Laboratory . . . . .	1.5
ELTR 2815 Programmable Logic Control . . . . .	4
ENVT 1600 Industrial Safety . . . . .	4
EXTR 1500 Geology of Extractive Resources . . . . .	3
EXTR 2510 Introduction to Well Drilling . . . . .	3.5
EXTR 2520 Introduction to Well Logging . . . . .	3
EXTR 2530 Oil and Gas Production . . . . .	3.5
EXTR 2540 Petroleum Refining . . . . .	3
GEOG 1080 Introduction to GPS and Maps . . . . .	3
GEOL 2320 Petroleum Geology . . . . .	3
HLTK 1620 American Heart Association Heart Saver First Aid, CPR and AED . . . . .	.33
Approved electives . . . . .	5

### Major Requirements-Mapping Option

ENVT 1600 Industrial Safety . . . . .	4
EXTR 1500 Geology of Extractive Resources . . . . .	3
EXTR 2510 Introduction to Well Drilling . . . . .	3.5
EXTR 2520 Introduction to Well Logging . . . . .	3
EXTR 2530 Oil and Gas Production . . . . .	3.5
EXTR 2540 Petroleum Refining . . . . .	3
GEOG 1080 Introduction to GPS and Maps . . . . .	3
GEOG 1100 Introduction to GIS . . . . .	4
GEOG 1110 Management and Implementation of GIS . . . . .	4
GEOG 2150 Map Use and Analysis . . . . .	3
GEOL 2320 Petroleum Geology . . . . .	3
HLTK 1620 American Heart Association Heart Saver First Aid, CPR and AED . . . . .	.33
Approved electives . . . . .	11

\* Approved electives may be any other extractive resources, geology, geography or related areas.

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

## Extractive Resources Technology Certificate

### (Certificate Requirements)

General Education	Credits
DESL 1850 Basic Hydraulics . . . . .	3
ELTR 1515 Basic AC/DC Electronics . . . . .	3
ELTR 1535 Electrical Power . . . . .	3
ELTR 1605 Process Control . . . . .	3
ELTR 2815 Programmable Logic Control . . . . .	4
ENVT 1600 Industrial Safety . . . . .	4
EXTR 1500 Geology of Extractive Resources . . . . .	3
GEOG 1080 Introduction to GPS and Maps . . . . .	3
*Approved electives . . . . .	7

\* Approved electives in extractive resources, electronics, or related areas.

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

ONLY COURSES NUMBERED 1000 OR ABOVE CAN BE USED TOWARD THE ASSOCIATE OF ARTS, ASSOCIATE OF SCIENCE, ASSOCIATE OF BUSINESS, ASSOCIATE OF FINE ARTS AND ASSOCIATE OF APPLIED SCIENCE DEGREES.