

ENGINEERING

Faculty

Knudson, Marquard

Associate of Science Degree Engineering

(Recommended Curriculum)

The engineering department offers courses in engineering science required for the first two years of the four-year degree. Students should consult the curriculum of the institution to which transfer is intended.

General Education (Minimum 32 credits) Credits

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation

Included in the major requirements below

2. Communication

ENGL 1010 English I: Composition 3

ENGL 1020 English II: Composition 3

3. Relationship with the World

Human behavior 3

U.S. and Wyoming constitutions 3

Cultural environment 3

4. General Education Electives

Must be chosen from areas 1, 2, or 3 above.

5. Physical Education 1

Major Requirements (Minimum 24 credits)

CHEM 1025 Chemistry I 3

CHEM 1028 Chemistry Laboratory I 1

ES 1060 Engineering Computing 3

ES 2110 Statics 3

ES 2120 Dynamics 3

MATH 2200 Calculus I 5

MATH 2205 Calculus II 5

MATH 2210 Calculus III 5

PHYS 1310 College Physics I 4

All engineers must take two or more engineering science courses from the following:

CE 2070 Engineering Surveying 3

ES 2210 Engineering Circuit Theory 4

ES 2310 Thermodynamics 4

ES 2330 Fluid Dynamics 3

ES 2410 Mechanics of Materials 3

Electives 8

To obtain a degree in engineering, a student must obtain a grade of "C" or better in all major requirements.

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