

BACHELOR OF APPLIED SCIENCE

Take the next step.



Earn a Bachelor of Applied Science (BAS) at Boise State University.

The BAS complements and builds on your technical associate degree (AAS) and is the perfect next step to advance your career.



Complete your degree online or in-person



Full- or part-time options to fit your schedule



Maximize your technical education

“The BAS program has allowed me to develop different skills and set me up to be a leader and supervisor. It has prepared me for my future.”

- Brandon H., Bachelor of Applied Science Student



BOISE STATE UNIVERSITY

Contact us for more information:

appliedscience@boisestate.edu

(208) 426-3496

appliedscience.boisestate.edu

TRANSFER GUIDE

Associate of Applied Science,
Heavy Equipment Welding and
Fabrication



1st Semester

Course Title	Credits
HTEC 100 or TTEC 100 Safety and Introduction to Shop Practices	2
HTEC 101 or TTEC 101 Safety and Shop Practices Lab	2
HTEC 104 or TTEC 104 Introduction to Electrical	1
HTEC 105 or TTEC 105 Electrical Systems	3
HTEC 110 or TTEC 110 Engine/Engine Controls	4
GEM 2 Oral Communication	3
GEM 3 Mathematical Ways of Knowing	3

2nd Semester

Course Title	Credits
HTEC 120 Mobile Hydraulic Systems or TTEC 120 Mobile Hydraulics/Braking Systems	4
HTEC 130 Powertrains or TTEC 130 Drivetrains/Steering and Suspension	4
HTEC 140 or TTEC 140 Preventative Maintenance/HVAC	4
IPDT 150 Truck Driving Skills	3
GEM 6 Social & Behavioral Ways of Knowing	3

3rd Semester

Course Title	Credits
WEMF 101 Safety and Leadership	2
WEMF 121 Blueprint Reading for Welders 1	2
WEMF 135 GMAW Practical	2
WEMF 151 Welding Theory 1	2
WEMF 175 SMAW Practical	4
GEM 1 Written Communication	3

4th Semester

Course Title	Credits
WEMF 115 Oxy Acetylene Practical or WEMF 185 GTAW Practical	4
WEMF 122 Blueprint Reading for Welders 2	2
WEMF 145 FCAW Practical	2
WEMF 152 Welding Theory 2	2
WEMF 195 Production Welding	2
GE Elective General Education Course	3
GE Elective General Education Course	3

Bachelor of Applied Science,
Business Bridge to Career
Minor



1st Semester

Course Title	Credits
BAS 305 Introduction to the Applied Sciences	1
ENGL 102 Intro to College Writing and Research	3
DLV Visual and Performing Arts	3
DLL Literature and Humanities	3
DLN Natural, Physical, and Applied Science	3
Elective	3

2nd Semester

Course Title	Credits
DLN Natural, Physical, and Applied Science w/lab	4
UF 200 Civic and Ethical Foundations	3
BAS 310 Communication in the Applied Sciences	3
BUSBTC 301 Business Foundations 1	3
BUSBTC 302 Business Foundations 2	3

3rd Semester

Course Title	Credits
BAS 425 Creating a Culture of Safety	3
BUSBTC 310 Creating Value for People	3
BUSBTC 320 Creating Value for Customers	3
BUSBTC 330 Creating Value through Investment	3
MDS 410 Case Studies in Leadership	3

4th Semester

Course Title	Credits
BAS 495 Capstone in the Applied Sciences	3
BUSBTC 410 Business Analysis	3
MDS 420 Globalization	3
MDS 430 Ethics	3
MDS 440 Project Management and Design	3

**This is a sample degree pathway.*



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