

Washburn Tech

Welding Technology Certificate to AS and BAS

- Technical Certificate – 48 hours, courses listed below, earned at Washburn Tech.
- Associate of Science, in Industrial Technology additional 25-27 hours at Washburn University
- Bachelors of Applied Science, in Technology Administration with minor in Business Administration additional 69 hours at Washburn University. Contact the School of Applied Studies for more details.



CERTIFICATE (WELDING TECHNOLOGY) Washburn Tech

Program Courses

WEL101	Welding Safety/OSHA 10	2
WEL110	Print Reading/Math I	1
WEL120	Oxy-Fuel/Cutting Procedures	3
WEL131	SMAW	3
WEL135	SMAW I	3
WEL141	GMAW	3
WEL145	GMAW Welding	3
WEL150	Workplace Skills I	2
WEL160	Oxy-Fuel Welding	4
WEL230	SMAW II	5
WEL220	FCAW Welding	5
WEL210	Print Reading/Math II	2
WEL241	Welding Special Topics	5
WEL246	GTAW	3
WEL 267	GTAW I	2
WEL250	Workplace Skills II	2

Total Certificate Credit Hours 48

CED101	College Skills	1
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ASSOCIATE OF SCIENCE (INDUSTRIAL TECHNOLOGY)

REQUIRED COURSEWORK

Major Requirement (3 credits)

TA310	Technology and Society	3
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Core Requirements (7-9 credits)

EN101	Freshman Composition	3
WU101	The Washburn Experience or CED 101 College Skills	1-3
MA112	Essential Mathematics or MA116 College Algebra	3

General Education Requirements (15 credits)

Social Sciences (2 of the following: PY100, SO100, or AN112)	6
Natural Sciences	3
Humanities (2 disciplines, Must include 3 hours in either Arts, Music, or Theatre)	6

Total Associate Credit Hours (Washburn) 25-27

Total Credit Hours for Associate of Science 73-75



BACHELOR OF APPLIED SCIENCE (TECHNOLOGY ADMINISTRATION) CURRICULUM REQUIREMENTS

73-75 Credits from AS degree

Technology Core (15 credits required)

TA300	Evolution and Development of Technology	3
TA320	System Design, Assessment and Evaluation	3
TA330	Safety Analysis and Quality Assurance	3
TA400	Technology Administration	3
TA420	Technology Project – Capstone	3

Professional Development (6 credits required)

(Select two from the following)

TA340	Technology Policy	3
TA360	Independent Study	3
TA370	Internship	3
TA380	Technology and the Future	3
TA381	Technology and Ecology	3
TA390	Current Issues in Technology	3

Administration Core (15 credits required)

BU250	Management Information Systems or equivalent	3
AC224	Financial Accounting or equivalent course	3
BU360	Marketing or BU 342 Organization & Management	3
BU345	Human Resources Management	3
BU342	Organizational Behavior	3

Must select two courses from the following: (6 credits required)

300/400 level business courses (if pursuing Business minor)	
300/400 level public administration courses	
300/400 level technology administration courses	6

Additional Core/General Education Requirements

Beyond Associate of Science (24 credits required)

EN300	Advanced Composition	3
Social Science		6
EC200	Principles of Macroeconomics	
EC201	Principles of Microeconomics	
Natural Science and Mathematics		9
(Must include 2 non-math courses, Max of 8 hours or 2 courses per discipline)		
Humanities (Max of 6 hours per discipline)		6

Additional Upper Division Electives to reach 45 credits (3 credits)

Total Additional Baccalaureate Credit Hours (Washburn) 69

Total Credit Hours for Bachelors of Applied Science 142-144