

# FOREST OPERATIONS AND TECHNOLOGY (A.S.)

Required course work includes:

Code	Title	Hours
ACCT 201	Introduction to Financial Accounting	3
ASM 409	Agricultural Tractors, Power Units and Machinery Management	4
CHEM 101 & 101L	Introduction to Chemistry and Introduction to Chemistry Laboratory	4
COMM 101	Fundamentals of Oral Communication	3
ECON 201 or ECON 202	Principles of Macroeconomics Principles of Microeconomics	3
ENGL 101	Writing and Rhetoric I	3
ENGL 102	Writing and Rhetoric II	3
FOR 102	Introduction to Forest Management	2
FOR 103	Introduction to Computer Applications in Natural Resources	1
FOR 201	Industrial Forest Management and Sawmill Tour	2
FOR 210	Winter Harvesting	1
FOR 211	Logging Safety and Emergency Preparedness	2
FOR 230	Forest Operations	3
FOR 231	Low Volume Forest Roads	2
FOR 236	Cable Systems	2
FOR 272	Forest Surveying and Mapping	3
FOR 293	Business of Forestry	2
FOR 296	Forest Harvesting Practicum	3
FOR 298	Forest Technology Internship	1
FSP 100	Introduction to Forest and Sustainable Products	2
MATH 123 or MATH 143	Math in Modern Society College Algebra	3
MKTG 321	Marketing	3
FIRE 144	Wildland Fire Management	3
SOIL 205	The Soil Ecosystem	3
SOIL 206	The Soil Ecosystem Lab	1
Select 12 General Education credits of electives		12
<b>Total Hours</b>		<b>74</b>

73 required credits for this degree.

After completing the Associate of Applied Science in Forest Operations and Technology, students will:

- 1) Be able to identify and describe traditional and advanced logging systems and understand considerations for feasible and safe forest operations accounting for topographic and forest conditions.
- 2) Be able to use basic computer-based applications and mobile technologies to aid the planning, execution, and assessment of forest operations.
- 3) Understand and apply safe practices, basic equipment operation and maintenance, and cost tracking for manual and mechanized forest operations in real world scenarios.

4) Understand the implications of the Forest Practices Act and best management practices (BMP's) for logging and forest road building activities to support sustainable forest management.

5) Understand basic forestry and fire management concepts to ensure effective communication with other natural resource professionals.