

Forest Management Technology (A15200)

Official Program Description registered with NC Community College System:

The Forest Management Technology curriculum is designed to help students acquire technical knowledge, understanding, and abilities essential in developing, conserving, and utilizing forest resources.

Students develop an understanding and ability in the principles and practices of forest resource management. Students will spend much of their time in field training situations where emphasis is placed on the practical application of this knowledge and skill.

Graduates should be qualified for entry into positions as forest technicians with federal, state, and private forestry enterprises. Graduates will have competencies in forest protection, forest management, forest procurement and in performing various related technical activities.

Program Learning Outcomes

Upon successful completion of the Forest Management Technology program, the student will be able to:

- Demonstrate knowledge of and be evaluated on their ability to perform essential practices in developing, conserving, and utilizing sustainable forest resources.
- Demonstrate competency in both classroom knowledge and field practices relating to their area of study.
- Calculate and analyze data and apply the results to common forest management problems.
- Demonstrate competency in the following areas of study: Dendrology, Forest Safety and Woodsmanship, Soil Science, Forest Mensuration, Silviculture, GPS and GIS Technology, Forest Environmental Studies, Logging and Marketing, Forest Equipment Operation, Aerial Photography and Remote Sensing, Forest Surveying, Fire Control, Prescribed Fire, Forest Insects, Forest Tree Diseases, Chemical Application, and Wildlife Management.
- Cite specific sustainable forest management issues on a regional, national, and global level.
- Recognize the history of forestry in this country and future trends in the field.
- Perform independent and team oriented tasks.

Degree Awarded

The Associate in Applied Science Degree - Forest Management Technology program is awarded by the College upon completion of this program.

Note

Students are required to purchase hard hats, field boots, compasses, and tapes which are used in the training process. Approximate cost is \$150.

For More Information

The Forest Management Technology program is in the Applied Technology Division. For more information, call (919) 735-5151, ext. 732 or visit us at our web site at <http://www.waynecc.edu/forestry/>.

Admissions

- A high school diploma or equivalent is required.
- A placement test in English, mathematics, reading and computer skills are required to determine entry-level courses that match individual needs.

First Step to Enroll:

Call the Admissions and Records Office at (919) 735-5151, ext. 238.

ENG 111	Expository Writing	3	3
FOR 121	Dendrology	8	4
FOR 161	Safety and Woodsmanship	4	2
FOR 171	Intro to Forest Resources	3	3
	*Math Elective	3-4	3
			16

SECOND SEMESTER

AGR 170	Soil Science	4	3
CIS 110	Introduction to Computers	4	3
ENG 114	Professional Research and Reporting	3	3
FOR 131	Forest Measurements	5	3
	Humanities/Fine Arts Elective ..	3	3
			15

SUMMER TERM

FOR 225	Silvics and Silviculture	6	4
FOR 232	Forest Mensuration	8	4
FOR 243	Insects/Diseases	5	3
			11

THIRD SEMESTER

AGR 110	Agricultural Economics	3	3
FOR 175	Wildlife/Environ Studies	5	3
FOR 215	Introduction to GIS & GPS	5	3
FOR 285	Logging and Marketing	5	3
	Social/Behavioral Science Elect...	3	3
			15

FOURTH SEMESTER

AGR 140	Agricultural Chemicals	4	3
FOR 212	Forest Survey - Aerial Manag. .	5	3
FOR 241	Forest Fire Management	5	3
FOR 273	Forest Management Issues	6	2
FWL 142	Wildlife Management	5	3
			14

Total Credit Hours 71

*Math Elective choices:

MAT 115	Mathematical Models	2	3
MAT 161	College Algebra	3	3
MAT 171	Precalulus Algebra	3	3

Contact Hours	Semester Credit Hours
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FIRST SEMESTER			
ACA 111	College Student Success.....	1	1