

Blueprint

Course Number & Title: AN53 Natural Resources II - Forestry

ES # and Ind #/Obj #	Essential Standards and Objective/Indicator Statements (The learner will be able to.....) (In some instances only the topic will be listed for objectives/indicators excluding verbs.)	Standards or Indicators/ Objectives Weight	RBT Designation for Essential Standards or Indicators/ Objectives
	Total Course Weight	100%	
1.00	Understand the forestry industry and the abundant forests in North Carolina.	10%	B2
1.01	Understand significant events in the forestry industry in the United States.	3%	B2
1.02	Understand roles government agencies play in the forestry industry.	3%	B2
1.03	Classify topography and soils, physiographic regions, and forest types of North Carolina.	4%	B2
2.00	Understand properties of wood and the manufacturing of forest products.	9%	B2
2.01	Understand chemical and physical properties of wood.	5%	B2
2.02	Explain primary and secondary products from wood.	4%	B2
3.00	Apply tree identification, timber cruising and timber measurement techniques.	32%	C3
3.01	Understand the parts of a tree and their functions.	3%	B2
3.02	Apply the use of dendrology to identify common trees in North Carolina.	8%	C3
3.03	Apply techniques to use forest maps and navigation tools.	7%	C3
3.04	Apply tree measurement techniques through timber cruising.	7%	C3
3.05	Apply the process to calculate tree volume for pulpwood and saw timber.	7%	C3
4.00	Understand best management practices, safety, and timber harvesting methods.	15%	B2
4.01	Understand best management practices of the North Carolina Forest Service.	5%	B2
4.02	Understand forestry worker safety.	3%	B2
4.03	Understand tree harvesting equipment.	3%	B2
4.04	Compare methods of harvesting timber.	4%	B2
5.00	Understand silviculture and forest management techniques.	17%	C2
5.01	Understand management objectives of forest landowners.	4%	B2
5.02	Understand silvicultural techniques used to establish forests.	5%	C2
5.03	Understand silvicultural techniques used to manage forests.	5%	C2
5.04	Understand major risks to forests in North Carolina.	3%	B2
6.00	Understand issues in the forestry industry.	9%	B2
6.01	Understand legal issues and statutes related to forestry in North Carolina.	3%	B2
6.02	Exemplify forest conservation strategies.	3%	B2

6.03	Understand the benefits of sustainable forest management and scientifically sound forest management decisions.	3%	B2
7.00	Understand forestry careers and skills needed to obtain employment.	8%	B2
7.01	Understand pathways for employment in the forestry industry.	4%	B2
7.02	Apply employability and durable skills in the forestry industry.	4%	B3