Associate of Applied Science in Natural Resources/Forest Technician- Outcomes

Students will demonstrate outcomes in each of the following areas:

Forestry
After successfully completing the core Natural Resource requirements, students will:
1. Demonstrate field identification of regionally important plant species and their communities.
2. Interpret how ecological relationships influence plant succession and biodiversity in forested ecosystems.
3. Recognize silvicultural treatments used in the growing and culturing of trees.
4. Explain how forest management practices are applied to forestland ownership within the context of multiple resource uses.
5. Identify and solve problems in natural resources through the application of mensuration and/or remote sensing techniques while utilizing appropriate equipment.
6. Differentiate harvest systems in relation to site and stand characteristics.
7. Recognize and resolve potentially hazardous situations in the forested environment and related operations.
8. Demonstrate appropriate workplace behaviors.

Communications
After successfully completing the communications requirement, students will:
1. Demonstrate literal and inferential comprehension.
2. Communicate clearly and effectively in appropriate contexts.

Computation
Students successfully completing the computation requirement, students will:
1. Apply algebraic, analytic, geometric or statistical reasoning to solve abstract and applied problems appropriate to an individual discipline.
2. Interpret mathematical, quantitative or symbolic models such as formulas, graphs and tables, and draw inferences from them.
3. Employ basic symbolic or quantitative reasoning to support a position or conclusion.

Human Relations
After successfully completing the human relations requirement, students will:
1. Understand, articulate, and evaluate how various factors (e.g., social, personal/individual, historical, political, and economic) influence human behavior.

2. Understand, articulate, and evaluate the applicability of significant theoretical perspectives (e.g., conflict theory, feminist theory, cognitive behavioral theory) as they relate to contemporary social issues.

Health/PE Outcomes
After successfully completing the PE requirement, students will:
1. Understand and articulate the various elements of fitness (e.g., cardiovascular endurance, strength, flexibility, body composition).
2. Understand, articulate, and evaluate how various factors (e.g., genetics, diet, activity) promote health and wellness.
3. Understand and practice safe workout practices.
4. Identify, understand, evaluate, and apply appropriate fitness strategies (e.g., diet, exercise).