Associate of Applied Science-Transfer 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.

Quantitative/Symbolic Reasoning

After successfully completing the quantitative skills 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

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).

Choice of Ten Credits from Transfer Distribution Areas may result in any combination of the following outcomes:

Humanities

After successfully completing the humanities distribution requirement, students will:

1. Demonstrate literal and inferential comprehension.
2. Communicate clearly and effectively in appropriate contexts.
3. Understand and interpret human achievements in various forms.
4. Analyze and synthesize meaning in verbal, visual and/or auditory media.

Social Science

After successfully completing the social science distribution requirement, students will:

1. Understand, articulate, and evaluate the similarities and differences between and among various social sciences.
2. Understand, articulate, and evaluate how various factors (e.g., social, personal/individual, historical, political, and economic) influence human behavior.
3. 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.
4. Identify, understand, evaluate, and apply research literature from multiple social science disciplines.

Science

After successfully completing the science distribution requirement, students will:

1. Understand the nature of science, including the role of observation in the development of scientific theories and laws;
2. Use the languages of science to interpret and communicate scientific information;
3. Use scientific knowledge to analyze and evaluate data and solve problems; and
4. Obtain and analyze experimental data.