Bridges Career Academy
Intro to Landscape & Natural Design
Pillager High School

Learn plant taxonomy and growth, planting stock and working in a greenhouse while using the elements of design and function. Study the ecological roles of plant and animal phyla through practical application and challenge yourself by taking that knowledge into the art studio and digital photography lab. Designed for students with a creative flair, interest in the designs of nature and artistic problem solving. Gain entry-level employment or continue education.

Academic Courses
- Natural Resources II
- Introduction to Landscaping
- Graphic Design
- Digital Photography

Career Experiences
- Participate in the Community Arbor Day celebration
- Listen to industry speakers
- Job shadow at Camp Ripley
- Attend the Bridges Career Exploration Day or other regional career fairs

Completion Standards

Conflict Standards

Job Skills
In addition to having technical skills, employers expect workers in this industry to have these skills:

- Active listening and speaking skills
- Artistic problem solving
- Oral and written communications skills
- Observation and objective analysis skills
- Manage equipment and supplies
Intro to Landscape & Natural Design Career Academy
Pillager High School

The Introduction to Landscape and Natural Design Academy exposes students to plant taxonomy and growth, planting stock and working in a greenhouse while using the elements of design and function. Students study the ecological roles of plant and animal phyla through practical application and challenge themselves by taking that knowledge into the art studio and digital photography lab. The Academy is designed for students with a creative flair, interested in the designs of nature and can demonstrate artistic problem solving skills. Students can become employed or continue their education in either the media or natural resources.

ACADEMY COURSES
Natural Resources II — 1 High School Credit and/or 3 College Credits
In this course students will develop an appreciation for the environment by gaining knowledge of the major biological principles as they apply resource utilization. Exploration of the diversity of life and ecological roles of major plant and animal phyla such as forestry, wildlife management and greenhouse production will be discussed. Students will discuss the political and economic issues related to the environment.

Introduction to Landscaping — 1 High School Credit
This project-based course studies the design elements of the landscaping techniques. Students gain an understanding of soil, natural land features, plant growth and production, and artistic value. Working with building materials and tools, students may design and build architectural features. Good composition and an understanding of the elements and principles of design are stressed.

Graphic Design — 1 High School Credit
Graphic Design is a course in which student will expand their knowledge of layout and composition when creating commercial type art. The class includes digital photography, page layout, packaging design, typography and students create their own logos. Projects will be created in computer program called Photoshop. Students will take part in group evaluation and participate in exhibitions.

Digital Photography — 1 High School and/or 3 College Credits
Students in this introductory course will learn the fundamentals of digital photography, composition, presentation, history of photography, purchasing a camera and ethics when manipulating photos. Students will use Photoshop along with digital cameras to create and manipulate a variety of photos.

COMPLETION STANDARD
Students wishing to receive a certification for this academy must complete 3 of the 4 courses and earn a “B” or better in each course.

CAREER EXPERIENCES
Students will listen to guest speakers, shadow at Camp Ripley, participate in Community Arbor Day Celebration, meet with MN DNR and the US Forestry Service professionals and local greenhouses and landscape firms. In addition, students will meet with guest photographers, tour the Franklin Arts Center, display in area Art Shows and attend the Bridges Career Exploration Day event and other regional career fairs.

JOB SKILLS
In addition to having technical skills, employers expect their workers to have other skills such as:
• Active listening and speaking skills
• Artistic problem solving
• Oral and written communications skills
• Observation and objective analysis skills
• Manage equipment and supplies

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CAREER OPTIONS: www.careerwise.minnstate.edu/careers
JOB OUTLOOK: www.careerwise.minnstate.edu/jobs
POSTSECONDARY PROGRAMS: www.careerwise.minnstate.edu/education