

## » Course Overview

In this course on Career Exploration, students will learn about various career clusters and their associated pathways. The course consists of 16 modules covering each pathway. Students will research both the national career clusters and explore opportunities within their state. They will learn about the types of places that employ individuals in their respective career pathways, as well as the variety of tasks performed by professionals in those fields. The course covers the skills, abilities, and talents required for success in these careers, along with the level of training and education necessary. Additionally, students will conduct research and create projects on a specific career within each cluster.

## » Course Outline by Module

<b>Module 1</b>	Agriculture, Food & Natural Resources	<b>Module 9</b>	Hospitality & Tourism
<b>Module 2</b>	Architecture & Construction	<b>Module 10</b>	Human Services
<b>Module 3</b>	Arts, A/V Technology & Communications	<b>Module 11</b>	Information Technology
<b>Module 4</b>	Business, Management & Administration	<b>Module 12</b>	Law, Public Safety & Security
<b>Module 5</b>	Education & Training	<b>Module 13</b>	Manufacturing
<b>Module 6</b>	Finance	<b>Module 14</b>	Marketing
<b>Module 7</b>	Government & Public Administration	<b>Module 15</b>	Science, Technology, Engineering & Math
<b>Module 8</b>	Health Science	<b>Module 16</b>	Transportation & Logistics

## » Module Overview and Learning Objectives

### | Module 1. Agriculture, Food & Natural Resources

In this module on Agriculture, Food & Natural Resources, we will be exploring the different pathways and careers within this cluster. This includes pathways such as plant systems, as well as the places that employ individuals with these jobs, the variety of tasks they perform, and the skills, abilities, and talents needed in order to be successful. We will also be discussing the level of training and education required for these jobs. At the end of the module, you will have the opportunity to do some hands-on learning with a module project.

**Learning Objectives:** In this module, students will:

- Identify the pathways in the Agriculture, Food & Natural Resources career cluster and the careers in each pathway.
- Describe the types of places that employ individuals who have careers in the Agriculture, Food & Natural Resources career cluster.
- Describe the variety of tasks performed by individuals who have careers in the Agriculture, Food & Natural Resources career cluster.
- List the skills, abilities, and talents needed for careers in the Agriculture, Food & Natural Resources career cluster.
- Identify the level of training and education required for careers in the Agriculture, Food & Natural Resources career cluster.
- Research a career in the Agriculture, Food & Natural Resources career cluster and present findings to the class.
- Apply math, science, and reading skills in the completion of a project or activity related to the Agriculture, Food & Natural Resources career cluster.

### | Module 2. Architecture & Construction

Welcome to this module on the Architecture & Construction career cluster! In this module, you will discover the design, construction, and maintenance pathways in this cluster. We will discuss the types of places that employ individuals in this field and the variety of tasks they perform. You will also learn about the skills, abilities, and talents

needed for careers in this field, as well as the level of training and education required for the different types of careers. After successfully completing the lessons in this module, you will have sufficient background knowledge to complete the end-of-module project which will give you further insight into the activities related to this career cluster.

**Learning Objectives:** In this module, students will:

- Identify the pathways in the Architecture & Construction career cluster and the careers in each pathway.
- Describe the types of places that employ individuals who have careers in the Architecture & Construction career cluster.
- Describe the variety of tasks performed by individuals who have careers in the Architecture & Construction career cluster.
- List the skills, abilities, and talents needed for careers in the Architecture & Construction career cluster.
- Identify the level of training and education required for careers in the Architecture & Construction career cluster.
- Research a career in the Architecture & Construction career cluster and present findings to the class.
- Apply math, science, and reading skills in the completion of a project or activity related to the Architecture & Construction career cluster.

### | **Module 3. Arts, A/V Technology & Communication**

In this module, students will explore the Arts, A/V Technology & Communication career cluster. The module begins with an overview of the pathways in this career cluster and some of the jobs in the cluster. Next, students will recognize some of the places that employ individuals in the Arts, A/V Technology & Communication field. Then the course will begin exploring the practical aspects of achieving employment in this cluster including the variety of tasks people perform, the skills, abilities, and talents needed, and the level of training and education required.

**Learning Objectives:** In this module, students will:

- Identify the pathways in the Arts, A/V Technology & Communication career cluster and the careers in each pathway.

- Describe the types of places that employ individuals who have careers in the Arts, A/V Technology & Communication career cluster.
- Describe the variety of tasks performed by individuals who have careers in the Arts, A/V Technology & Communication career cluster.
- List the skills, abilities, and talents needed for careers in the Arts, A/V Technology & Communication career cluster.
- Identify the level of training and education required for careers in the Arts, A/V Technology & Communication career cluster.
- Research a career in the Arts, A/V Technology & Communication career cluster and present findings to the class.
- Apply math, science, and reading skills in the completion of a project or activity related to the Arts, A/V Technology & Communication career cluster.

## | **Module 4. Business, Management & Administration**

Welcome to this module on the Business, Management & Administration career cluster. First, this module will take students through the different pathways in this career cluster. Next, students will learn about different places of employment for careers. The module will then explore the types of tasks people perform in this cluster. Students will also learn about the skills, abilities, and talents needed for these careers. The final lesson will discuss the different jobs available at every level from high school diploma to post-graduate education. By the end of this module, you will have a better understanding of the different opportunities available in the Business, Management & Administration career cluster.

**Learning Objectives:** In this module, students will:

- Identify the pathways in the Business, Management & Administration career cluster and the careers in each pathway.
- Describe the types of places that employ individuals who have careers in the Business Management & Administration career cluster.
- Describe the variety of tasks performed by individuals who have careers in the Business Management & Administration career cluster.
- List the skills, abilities, and talents needed for careers in the Business Management & Administration career cluster.

- Identify the level of training and education required for careers in the Business Management & Administration career cluster.
- Research a career in the Business Management & Administration career cluster and present findings to the class.
- Apply math, science, and reading skills in the completion of a project or activity related to the Business Management & Administration career cluster.

### | **Module 5. Education & Training**

Welcome to this module on the Education & Training career cluster! In this module, you will discover the three pathways in this cluster. Whether it's working as a corporate trainer, a guidance counselor, or a coach, we will discuss the types of places that employ individuals in this field and the variety of tasks they perform. You will also learn about the skills, abilities, and talents needed for careers in this field, as well as the level of training and education required for the different types of careers. After successfully completing the lessons in this module, you will have sufficient background knowledge to complete the end-of-module project which will give you further insight into the activities related to this career cluster.

**Learning Objectives:** In this module, students will:

- Identify the pathways in the Education & Training career cluster and the careers in each pathway.
- Describe the types of places that employ individuals who have careers in the Education & Training career cluster.
- Describe the variety of tasks performed by individuals who have careers in the Education & Training career cluster.
- List the skills, abilities, and talents needed for careers in the Education & Training career cluster.
- Identify the level of training and education required for careers in the Education & Training career cluster.
- Research a career in the Education & Training career cluster and present findings to the class.
- Apply math, science, and reading skills in the completion of a project or activity related to the Education & Training career cluster.

## | Module 6. Finance

Welcome to this module on the Finance career cluster! In this module, you will discover the pathways and careers in this cluster. The module will also cover the different places of employment, such as banks, accounting firms, and government agencies, that employ professionals in this cluster. You will also learn about the skills, abilities, and talents needed for careers in this field, as well as the level of training and education required for the different types of careers. The module will conclude with a project designed to give you experience and application in this cluster.

**Learning Objectives:** In this module, students will:

- Identify the pathways in the Finance career cluster and the careers in each pathway.
- Describe the types of places that employ individuals who have careers in the Finance career cluster.
- Describe the variety of tasks performed by individuals who have careers in the Finance career cluster.
- List the skills, abilities, and talents needed for careers in the Finance career cluster.
- Identify the level of training and education required for careers in the Finance career cluster.
- Research a career in the Finance career cluster and present findings to the class.
- Apply math, science, and reading skills in the completion of a project or activity related to the Finance career cluster.

## | Module 7. Government & Public Administration

Welcome to this module on the Government & Public Administration career cluster! In this module, you will discover the seven pathways in this cluster. You'll also learn about which jobs belong to these pathways. Next, we will discuss the types of places that employ individuals in this field and the variety of tasks they perform. Since there are so many careers in this pathway, you'll get a wide variety of activities to learn about. You will also learn about the skills, abilities, and talents needed for careers in this field, as well as the level of training and education required for the different types of careers. After successfully completing the lessons in this module, you will have sufficient background knowledge to

complete the end-of-module project which will give you further insight into the activities related to this career cluster.

**Learning Objectives:** In this module, students will:

- Identify the pathways in the Government & Public Administration career cluster and the careers in each pathway.
- Describe the types of places that employ individuals who have careers in the Government & Public Administration career cluster.
- Describe the variety of tasks performed by individuals who have careers in the Government & Public Administration career cluster.
- List the skills, abilities, and talents needed for careers in the Government & Public Administration career cluster.
- Identify the level of training and education required for careers in the Government & Public Administration career cluster.
- Research a career in the Government & Public Administration career cluster and present findings to the class.
- Apply math, science, and reading skills in the completion of a project or activity related to the Government & Public Administration career cluster.

## | Module 8. Health Science

Welcome to this module on the Health Science career cluster! In this module, you will discover the various pathways in this cluster and some of the jobs associated with each pathway. Next, we will discuss the types of places that employ individuals in this field and the variety of tasks they perform, each task contributing to health and well-being in its own way. You will also learn about the skills, abilities, and talents needed for careers in this field and how you can start developing these skills now. We will also discuss one of the most crucial aspects of this career cluster- training and education. The module will conclude with a project designed to help you explore the importance of health science.

**Learning Objectives:** In this module, students will:

- Identify the pathways in the Health Science career cluster and the careers in each pathway.

- Describe the types of places that employ individuals who have careers in the Health Science career cluster.
- Describe the variety of tasks performed by individuals who have careers in the Health Science career cluster.
- List the skills, abilities, and talents needed for careers in the Health Science career cluster.
- Identify the level of training and education required for careers in the Health Science career cluster.
- Research a career in the Health Science career cluster and present findings to the class.
- Apply math, science, and reading skills in the completion of a project or activity related to the Health Science career cluster.

## | Module 9. Hospitality & Tourism

Welcome to this module on the Hospitality & Tourism career cluster! In this module, you will discover the various pathways in this cluster and some of the jobs associated with each pathway. You'll learn which pathway is best for someone with an interest in the culinary arts and which one would be best for someone with an interest in building the next Disneyland, as well as everything in between. Next, we will discuss the types of places that employ individuals in this field and the variety of tasks people in this industry perform. You will also learn about the skills, abilities, and talents needed for careers in this field and how you can start developing these skills now. We will also discuss one of the most crucial aspects of this career cluster- training and education. The module will conclude with a project designed to help you explore the hospitality and tourism industry up close.

**Learning Objectives:** In this module, students will:

- Identify the pathways in the Hospitality & Tourism career cluster and the careers in each pathway.
- Describe the types of places that employ individuals who have careers in the Hospitality & Tourism career cluster.
- Describe the variety of tasks performed by individuals who have careers in the Hospitality & Tourism career cluster.



- List the skills, abilities, and talents needed for careers in the Hospitality & Tourism career cluster.
- Identify the level of training and education required for careers in the Hospitality & Tourism career cluster.
- Research a career in the Hospitality & Tourism career cluster and present findings to the class.
- Apply math, science, and reading skills in the completion of a project or activity related to the Hospitality & Tourism career cluster.

## | Module 10. Human Services

Welcome to this module on the Human Services career cluster! In this module, you will discover the various pathways in this cluster and some of the jobs associated with each pathway. While the pathways may be different, you will see how each pathway contributes to the well-being of others. Next, we will discuss the types of places that employ individuals in this field and the variety of tasks they perform. You will also learn about the skills, abilities, and talents needed for careers. We will also discuss the different requirements in training and education for some of the common jobs in this career cluster. The module will conclude with a project designed to help you explore the Human Services career cluster in more depth.

**Learning Objectives:** In this module, students will:

- Identify the pathways in the Human Services career cluster and the careers in each pathway.
- Describe the types of places that employ individuals who have careers in the Human Services career cluster.
- Describe the variety of tasks performed by individuals who have careers in the Human Services career cluster.
- List the skills, abilities, and talents needed for careers in the Human Services career cluster.
- Identify the level of training and education required for careers in the Human Services career cluster.
- Research a career in the Human Services career cluster and present findings to the class.

- Apply math, science, and reading skills in the completion of a project or activity related to the Human Services career cluster.

## | Module 11. Information Technology

Welcome to this module on the Information Technology career cluster! In this module, you will discover the various pathways in this cluster and some of the jobs associated with each pathway. Next, we will discuss the types of places that employ individuals in this field. IT is a growing field, which means there are a lot of organizations that hire IT professionals! The module will explain the different tasks that someone in this career cluster may perform on a regular basis. You will also learn about the skills, abilities, and talents needed for careers. We will also discuss the different requirements in training and education for some of the common jobs in this career cluster. The module will conclude with a project designed to help you explore the Information Technology career cluster in more depth.

**Learning Objectives:** In this module, students will:

- Identify the pathways in the Information Technology career cluster and the careers in each pathway.
- Describe the types of places that employ individuals who have careers in the Information Technology career cluster.
- Describe the variety of tasks performed by individuals who have careers in the Information Technology career cluster.
- List the skills, abilities, and talents needed for careers in the Information Technology career cluster.
- Identify the level of training and education required for careers in the Information Technology career cluster.
- Research a career in the Information Technology career cluster and present findings to the class.
- Apply math, science, and reading skills in the completion of a project or activity related to the Information Technology career cluster.

## | Module 12. Law, Public Safety & Security

Welcome to this module on the Law, Public Safety & Security career cluster! In this module, you will discover the various pathways in this cluster and some of the jobs associated with each pathway. Next, we will discuss the types of places that employ individuals in this field. The module will explain the different tasks that someone in this career cluster may perform on a regular basis, such as investigating crimes, responding to emergencies, and preparing for court. You will also learn about the skills, abilities, and talents needed for careers in this cluster. We will also discuss the different requirements in training and education for some of the common jobs in this career cluster.

**Learning Objectives:** In this module, students will:

- Identify the pathways in the Law, Public Safety & Security career cluster and the careers in each pathway.
- Describe the types of places that employ individuals who have careers in the Law, Public Safety & Security career cluster.
- Describe the variety of tasks performed by individuals who have careers in the Law, Public Safety & Security career cluster.
- List the skills, abilities, and talents needed for careers in the Law, Public Safety & Security career cluster.
- Identify the level of training and education required for careers in the Law, Public Safety & Security career cluster.
- Research a career in the Law, Public Safety & Security career cluster and present findings to the class.
- Apply math, science, and reading skills in the completion of a project or activity related to the Law, Public Safety & Security career cluster.

## | Module 13. Manufacturing

Welcome to this module on the Manufacturing career cluster! In this module, you will discover the various pathways in this cluster and some of the jobs associated with each pathway. Next, we will discuss the types of places that employ individuals in this field. The module will explain the different tasks that someone in this career cluster may perform on a regular basis. You will also learn about the skills, abilities, and talents expected of

professionals in the industry. We will also discuss the different requirements in training and education for some of the common jobs in this career cluster.

**Learning Objectives:** In this module, students will:

- Identify the pathways in the Manufacturing career cluster and the careers in each pathway.
- Describe the types of places that employ individuals who have careers in the Manufacturing career cluster.
- Describe the variety of tasks performed by individuals who have careers in the Manufacturing career cluster.
- List the skills, abilities, and talents needed for careers in the Manufacturing career cluster.
- Identify the level of training and education required for careers in the Manufacturing career cluster.
- Research a career in the Manufacturing career cluster and present findings to the class.
- Apply math, science, and reading skills in the completion of a project or activity related to the Manufacturing career cluster.

## | Module 14. Marketing

Welcome to this module on the Marketing career cluster! In this module, you will discover the various pathways in this cluster and some of the jobs associated with each pathway. Next, we will discuss the types of places that employ individuals in this field. This is a growing career cluster, which means there are a lot of organizations looking to hire people with knowledge in this career cluster! The module will explain the different tasks that someone in this career cluster may perform on a regular basis. You will also learn about the skills, abilities, and talents needed for careers. We will also discuss the different requirements in training and education for some of the common jobs in this career cluster. The module will conclude with a project designed to help you explore the Marketing career cluster in more depth.

**Learning Objectives:** In this module, students will:

- Identify the pathways in the Marketing career cluster and the careers in each pathway.
- Describe the types of places that employ individuals who have careers in the Marketing career cluster.
- Describe the variety of tasks performed by individuals who have careers in the Marketing career cluster.
- List the skills, abilities, and talents needed for careers in the Marketing career cluster.
- Identify the level of training and education required for careers in the Marketing career cluster.
- Research a career in the Marketing career cluster and present findings to the class.
- Apply math, science, and reading skills in the completion of a project or activity related to the Marketing career cluster.

## **| Module 15. Science, Technology, Engineering & Math**

Welcome to this module on the Science, Technology, Engineering & Mathematics (STEM) career cluster! In this module, you will discover the various pathways in this cluster and some of the jobs associated with each pathway. Next, we will discuss the types of places that employ individuals in this field and the variety of tasks they perform, each task contributing to new developments and advancements. You will also learn about the skills, abilities, and talents needed for careers in this field and how you can start developing these skills now. We will also discuss one of the most crucial aspects of this career cluster- training and education. The module will conclude with a project designed to help you gain hands-on experience in STEM.

**Learning Objectives:** In this module, students will:

- Identify the pathways in Science, Technology, Engineering, & Mathematics.
- Describe the types of places that employ individuals who have careers in Science, Technology, Engineering, & Mathematics.
- Describe the variety of tasks performed by individuals who have careers in Science, Technology, Engineering, & Mathematics.
- List the skills, abilities, and talents needed for careers in Science, Technology, Engineering, & Mathematics.

- Identify the level of training and education required for careers in Science, Technology, Engineering, & Mathematics.
- Research a career in Science, Technology, Engineering, & Mathematics and present findings to the class.
- Apply math, science, and reading skills in the completion of a project or activity related to Science, Technology, Engineering, & Mathematics.

## | Module 16. Transportation & Logistics

Welcome to this module on the Transportation & Logistics career cluster! In this module, you will discover the several pathways in this cluster and some of the jobs associated with each pathway. There are several pathways, each with its own way of contributing to the cluster. Next, we will discuss the types of places that employ individuals in this field. The module will explain the different tasks that someone in this career cluster may perform on a regular basis. You will also learn about the skills, abilities, and talents needed for careers. We will also discuss the specific training requirements unique to the jobs in this career cluster.

**Learning Objectives:** In this module, students will:

- Identify the pathways in the Transportation & Logistics career cluster and the careers in each pathway.
- Describe the types of places that employ individuals who have careers in the Transportation & Logistics career cluster.
- Describe the variety of tasks performed by individuals who have careers in the Transportation & Logistics career cluster.
- List the skills, abilities, and talents needed for careers in the Transportation & Logistics career cluster.
- Identify the level of training and education required for careers in the Transportation & Logistics career cluster.
- Research a career in the Transportation & Logistics career cluster and present findings to the class.
- Apply math, science, and reading skills in the completion of a project or activity related to the Transportation & Logistics career cluster.