Course Information Form (CIF)

Course Code: CIT 118

Course Title: Introduction to Construction

Department: Applied Sciences and Technologies
PCS Code: 1.2 - Occupational/Technical Instruction
CIP Code: 46.0415
Repeatability: 0

Effective Date: Summer 2026

Credit Hours

Catalog Notation: 2-2-3
Credit Hour Distribution:

Lecture: 2	Lab: 2	Clinical: 0	**Total: 3**

General Course Information

Catalog Description

Introduction to the construction industry covering project phases, materials, methods, safety, tool usage, and careers. Beginning/foundational knowledge and hands-on experience for further study or entry-level roles.

General Course Objectives

- Demonstrate proper use of hand and power tools.
- Interpret construction blueprints and drawings and build to specification.
- Understand the basic phases of construction projects.
- Apply construction calculations to real-world scenarios.
- Identify common construction materials and methods.
- Recognize the importance of site safety and adherence to OSHA safety standards.
- Describe the roles and responsibilities of key professionals in the construction industry.
- Explore potential construction career paths.
- Navigate and utilize Parkland College systems and Microsoft applications.

Minimum Placement Levels

English	Reading	Math
Placement into ENG 098	Placement into CCS 098	Placement into MAT 059

Prerequisites

None

Methods of Evaluation

At least 10 graded assignments and at least 2 exams.

Instructional Materials and Additional Supplies

Core: Introduction to Basic Construction Skills, 6th edition. Print and E-text available. ISBN-13: 9780137483341

Course Content

General Learning Outcomes (GLOs)

- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Academic Success Skills	1. Demonstrate basic usage of Microsoft Office Applications as they pertain to course work, as well as use in the construction industry. 2. Navigate Parkland's Cobra Learning Management System. 3. Scan, save, and upload construction lab (jobsite) documents to appropriate locations online.	4	0	0
Jobsite Safety	1. Identify and recommend proper personal protective equipment (PPE) as needed. 2. Apply safe lifting and material handling practices. 3. Assess the safety hazards of a jobsite in accordance with OSHA standards. 4. Identify and recommend appropriate equipment and tools when working at heights.	4	6	0
Basic Tool Identification and Use	1. Demonstrate safe use and maintenance of common construction power and hand tools. 2. Identify and recommend appropriate tools for common construction tasks. 3. Identify and recommend correct tool accessories for specific construction tasks.	4	12	0
Construction Industry Overview	1. Understand the basic phases of construction projects. 2. Recognize the four sectors of the construction industry: Residential, Commercial, Industrial, and Infrastructure. 3. Describe the roles and responsibilities of key professionals in the construction industry. 4. Discuss the roles of union and non-union workers and contractors.	8	0	0
Personal and Professional Development	1. Outline potential career paths of interest and list the steps required to obtain employment. 2. Create a professional resume for construction industry employment. 3. Apply time management skills as they apply to successful students and employees. 4. Understand and apply strong communication skills, leadership qualities, and problem-solving abilities.	4	0	0

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Construction Materials, Methods, and Practices	1. Identify common construction materials and describe their applications. 2. Apply common construction methods and practices to construction projects. 3. Identify and recommend common construction layout tools. 4. Understand and apply commonly used construction layout methods. 5. Demonstrate appropriate and safe material handling practices. 6. Interpret and construct assemblies from construction documents.	6	12	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
30	30	0