Student's Name/Initial:	/	Date:	Teacher's Initials:	Date:

INTRODUCTION TO CONSTRUCTION STUDENT PROFILE

COURSE CODE: 6001

Provided a student takes Introduction to Construction and scores 70% on all assessments (00101-8-15), he/she does not have to repeat these modules in HVAC, Building Construction, Cabinetmaking, Carpentry, Electricity, Masonry, Mechatronics, Plumbing, and Welding.

Directions: Evaluate the student using the applicable rating scales below and check the appropriate box to indicate the degree of competency. The ratings 3, 2, 1, and N are not intended to represent the traditional school grading system of A, B, C, and D. The description associated with each of the ratings focuses on the level of student performance or cognition for each of the competencies listed below.

PERFORMANCE RATING

3 - Skilled--can perform task independently with no supervision
2 - Moderately skilled--can perform task completely with limited supervision
1 - Limitedly skilled--requires instruction and close supervision
N - No exposure--has no experience or knowledge of this task

COGNITIVE RATING

3 - Knowledgeable--can apply the concept to solve problems
2 - Moderately knowledgeable--understands the concept
1 – Limitedly knowledgeable--requires additional instruction
N - No exposure--has not received instruction in this area

NCCER CONTREN® CORE MODULES

A. 00101-15: BASIC SAFETY (Construction sire Safety Orientation)

3	2	1	N		
__	__	__	__	1.	Identify the responsibilities and personal characteristics of a professional craftsperson..
__	__	__	__	2.	Describe the safe work requirements for elevated work.
__	__	__	__	3.	Identify and explain how to avoid struck-by and caught-in-between hazards.
__	__	__	__	4.	Explain the appropriate safety precautions around common job-site hazards.
__	__	__	__	5.	Demonstrate the use and care of appropriate personal protective equipment (PPE).
__	__	__	__	6.	Identify and describe other specific job-site safety hazards.
__	__	__	__	7.	Follow safe procedures for lifting heavy objects.
__	__	__	__	8.	Describe safe behavior on and around ladders and scaffolds.
__	__	__	__	9.	Explain the importance of the Hazard Communication Standard (HazCom) requirement and Safety Data Sheets (SDS)
__	__	__	__	10.	Describe fire prevention and fire fighting techniques.
__	__	__	__	11.	Define safe work procedures around electrical hazards.
__	__	__	__	12.	Complete 10-hour OSHA course/assessment and receive card. (SDE Requirement)
__	__	__	__	13.	Complete Performance Tasks

B. 00102-15: BASIC MATH

3	2	1	N		
__	__	__	__	1.	Add, subtract, multiply, and divide whole numbers, with and without a calculator.
__	__	__	__	2.	Use a standard ruler and a metric ruler to measure.
__	__	__	__	3.	Add, subtract, multiply, and divide fractions.
__	__	__	__	4.	Add, subtract, multiply, and divide decimals, with and without a calculator.
__	__	__	__	5.	Convert decimals to percent and percent to decimals.
__	__	__	__	6.	Convert fractions to decimals and decimals to fractions.
__	__	__	__	7.	Explain what the metric system is and how it is important in the construction trade.

__ __ __ __8. Recognize and use metric units of length, weight, volume, and temperature.

__ __ __ __9. Recognize some of the basic shapes used in the construction industry and apply basic geometry to measure them.

C. 00103-15: INTRODUCTION TO HAND TOOLS

3 2 1 N

__ __ __ __ 1. Recognize and identify various types of basic hand tools used in the construction trade.

__ __ __ __ 2. Identify and describe how to use various types of measurement and layout tools.

__ __ __ __ 3. Identify and explain how to use various types of cutting and shaping tools.

__ __ __ __ 4. Use these tools safely.

__ __ __ __ 5. Describe the basic procedures for taking care of these tools.

__ __ __ __ 6. Complete Performance Tasks

D. 00104-15: INTRODUCTION TO POWER TOOLS

3 2 1 N

__ __ __ __ 1. Identify and explain how to use various types of power drills and impact wrenches used in the construction trade.

__ __ __ __ 2. Identify and explain how to use various types of power saws.

__ __ __ __3. Identify and explain how to use various grinders and grinder attachments.

__ __ __ __ 4. Identify and explain how to use miscellaneous power tools.

__ __ __ __ 5. Use power tools safely.

__ __ __ __ 6. Explain how to maintain power tools properly.

__ __ __ __7. Complete Performance Tasks

E. 00105-15: INTRODUCTION TO CONSTRUCTION DRAWINGS

3 2 1 N

__ __ __ __ 1. Identify and describe various types of construction drawings, including their fundamental components and features.

__ __ __ __ 2. Recognize and identify basic blueprint terms, components, and symbols.

__ __ __ __ 3. Relate information on blueprints to actual locations on the print.

__ __ __ __ 4. Recognize different classifications of drawings.

__ __ __ __ 5. Interpret and use drawing dimensions.

__ __ __ __ 6. Complete Performance Tasks

F. 00106-15: BASIC RIGGING (OPTIONAL)

3 2 1 N

__ __ __ __ 1. Explain how ropes, chains, hoists, loaders, and cranes are used to move material and equipment from one location to another on a job site.

__ __ __ __ 2. Describe inspection techniques and load-handling safety practices.

__ __ __ __ 3. Explain the American National Standards Institute (ANSI) hand signals.

__ __ __ __ 4. Complete Performance Tasks

G. 00107-15: BASIC COMMUNICATION SKILLS (SDE REQUIREMENT)

3 2 1 N

__ __ __ __ 1. Describe the communication, listening and speaking processes and their relationship to job performance.

__ __ __ __ 2. Describe good reading and writing skills and their relationship to job performance.

__ __ __ __ 3. Demonstrate telephone and e-communication skills necessary in the workplace.

__ __ __ __ 4. Complete Performance Tasks

H. 00108-15: BASIC EMPLOYABILITY SKILLS (SDE REQUIREMENT)

3 2 1 N

__ __ __ __ 1. Describe the opportunities in the construction business and how to enter the construction workforce.

__ __ __ __ 2. Explain the importance of critical thinking and how to solve problems in the workplace.

__ __ __ __ 3. Explain the importance of social skills and identify ways good social skills are applied in the construction trade.

__ __ __ __ 4. Describe computer systems and their industry applications.

__ __ __ __ 5. Explain interpersonal relationship skills, self-presentation, and key workplace issues such as sexual harassment, stress, and substance abuse.