

REGION 1

Program of Study (POS), Critical Competency, and Technical Skill Assessment Agreement/Approval Document

Between

and

Northeast Iowa Community College

I. Statement of Purpose

The purpose of this document is to provide evidence of agreement between the specified Region 1 high school, the high school career and technical advisory board, and Northeast Iowa Community College (NICC). These three entities agree that the specified secondary program area offers a program of study which includes academic and technical skill development for all students and meets the requirements of Iowa Code, Carl Perkins IV and the Iowa Perkins State Plan.

In addition, the signatures on this document certify that all entities agree that the identified program competencies and technical skill assessment(s) prepare students to transition into postsecondary education and the world of work.

II. Program of Study Information

- A. Secondary Program & Cluster: Industrial tech, Construction Cluster
(Include the secondary course titles and sequence on attached drawing board)
- B. Linking NICC Program: Construction / Carpentry
(Include list of postsecondary program course titles on attached drawing board)

III. Evidence (from Iowa Department of Education Program of Study (POS) Guidance, page 2)

- 1) Content standards and benchmarks
- 2) List of critical competencies identified by the Advisory Committee/Council that will be included within the Technical Skill Attainment Assessment(s), including:
 - A. Evidence the critical competencies have been approved by the Advisory Committee/Council
 - B. Evidence the critical competencies have been approved by a postsecondary institution
- 3) Program of Study course sequence (i.e., "Drawing Board"), including:
 - A. Academic and technical content
 - i. Incorporating the Iowa Core (including 21st Century Skills)
 - B. State of Iowa and local high school graduation requirements
 - C. Non-duplicative progression of courses consisting of a minimum of three units of CTE coursework
 - D. Linkage to at least one postsecondary program
- 4) Description of how the Program of Study Course Sequence (i.e., "Drawing Board") is, or will be, shared with stakeholders, including:
 - A. Sharing with students in grade eight prior to completion of the core curriculum plan (a.k.a., "8th Grade Plan")
- 5) Approved Technical Skill Attainment Assessment(s), including:
 - A. A copy of the assessment(s), if available
 - B. Identification of the proficiency level to be attained for each assessment
 - C. Evidence the assessment(s) has been approved by the Advisory Committee/Council
 - i. Committee meeting minutes indicating approval, with date
 - D. Evidence the assessment(s) have been approved by a postsecondary institution
 - i. Name, title, and signature of the postsecondary representative
 - ii. Date of approval

- 6) A plan for annual review and continuous improvement of the Program of Study, including:

- A. Annual review of Secondary Career and Technical Education Performance Indicator data

* Career and technical programs of study are described in Title I, Part B, Section 122(c)(1) (A)(i)-(iv) and addressed in the Iowa Perkins IV Five-Year State Plan, pages 18, 28, 69, and 73

IV. Program of Study Signature Approvals

1) Critical Competency Postsecondary Approval:

Gera Genig CTE coord. 5/18/12
Postsecondary Representative, Name and Title Approval Date

2) Technical Skill Assessment(s) Postsecondary Approval:

Gera Genig CTE coord 5/18/12
Postsecondary Representative, Name and Title Approval Date

Additional Program of Study Document Signatures:

Paul Bakewell Educational Technology 4-23-12
Secondary Instructor, Program Area Date

Russell Barr 4/23-12
Advisory Committee Chair/Representative Date

Perkins Coordinator/Facilitator/Representative Date

Industrial Tech POS/TSA

STUDENT NAME _____

CLASS _____ YEAR/TERM _____

Construction: Students must achieve 70% "YES" overall to be reported proficient = 13 total "YES" in Construction

COMPETENCY: Understand the Basic Safety Operating Procedures

ASSESSMENT		ABLE TO PERFORM	
		YES	NO
1	Comply with shop equipment safety rules.		
2	Inspect workplace for safe working environment and report unsafe conditions.		
3	Clean and maintain work area and leave in safe condition.		
4	Apply basic electrical safety techniques.		
TOTAL			

COMPETENCY: Understand Basic Background Knowledge

ASSESSMENT		ABLE TO PERFORM	
		YES	NO
1	Cut material to specified dimensions and shapes.		
2	Install and remove fasteners properly (i.e., nails, screws, and anchor bolts).		
3	Measure and compute using fractions and decimals.		
4	Measure accurately using various instruments.		
5	Identify basic construction materials.		
6	Compute the quality of commonly used materials needed for a job (i.e. area, cubic area, and linear measure).		
TOTAL			

COMPETENCY: Demonstrate and Use the Appropriate Equipment for the Particular Situation

ASSESSMENT		ABLE TO PERFORM	
		YES	NO
1	Inspect climbing equipment.		
2	Maintain and utilize basic hand and power tools.		
TOTAL			

COMPETENCY: Demonstrate Employability Skills

ASSESSMENT		ABLE TO PERFORM	
		YES	NO
1	Communicate and understand ideas and information		
2	Identify and solve problems		
3	Apply mathematical reasoning to work-related problems		
4	Use technology		
5	Act professionally		
6	Participate in teamwork		
7	Be aware of career opportunities		
TOTAL			

OVERALL TOTAL SCORE:

Construction/Carpentry
 Degree Certificate Cluster **2** Architecture & Construction

College Program
 Inked with: **Northeast Iowa Community College**

Grade	English / Language Arts	Math	Science	Social Studies	Recommended / Required CTE Courses				Other Electives	
					Eligible for College Credit	5	Fine Arts	Foreign Language		P.E. / Health
9th grade Semester 1	English I	Algebra I	Science 9	World Geography					Health I	Transitions
9th grade Semester 2	English I	Algebra I	Science 9						P.E.	
10th grade Semester 1	English II	Intermediate A	Biology	World History	Intro to Construction				P.E.	
10th grade Semester 2	English II	Intermediate A	Biology	World History	Intro to Construction				P.E.	
11th grade Semester 1	American Char	Trig/Pre. Calc.	Chemistry	United States	Basic Drafting				P.E.	
11th grade Semester 2	American Char	Trig/Pre. Calc.	Physics	United States	Job Seeking Skills				P.E.	
12th grade Semester 1	Comp. I	Statistics	College General	Government	Construction Skills				P.E.	
12th grade Semester 2	Public Speaking	Calculus	College General	Economics	Construction Skills				P.E.	

Year	Semester	Secondary				Postsecondary					
		English / Language Arts	Math	Science	Social Studies	Eligible for College Credit	5	Fine Arts	Foreign Language	P.E. / Health	Other Electives
Year 1	Semester 1	Basic Drafting	Construction Print Reading	Basic Construction Skills	Construction Lab I: Foundations	Construction I				Job Seeking Skills	
Year 1	Semester 2	Construction II	Communication Elective	Construction III	Construction Lab III	Intro to Microcomputers					
Year 2	Semester 1	Trigonometry	Workplace Communication	Math/Science Elective							
Year 2	Semester 2										

Intro to Auto CAD, Construction Skills, Basic Drafting, Job Seeking Skills, and Intro to Microcomputers are concurrent enrollment at NICC. Business Keyboarding is an articulated class through South Winn and NICC. Comp. 1, Public Speaking, Statistics, Calculus, College General Biology, Intro To Psychology are eligible to receive college credit at the high school level and would not need to be taken at NICC.

Graduate of **South Winneshiek High School**

Savings at: **Northeast Iowa Community College**

Time: Credits that will NOT need to be taken in college.	12
Money: Estimated Dollars Saved in College Expenses	\$1,800.00

Assessment and sharing for Industrial Technology classes

For assessment of the Industrial Technology classes:

The assessment is done annually with an advisor committee. The committee reviews the present classes and competency. The committee address issues and makes suggestions if needed.

The classes and Drawing Board is offered to the students through the guidance office during registration and throughout the year. The students also are given information about the class from the teacher.