

DCCC

THE COLLEGE OF
DAVIDSON AND DAVIE COUNTIES



Articulating Credit for Continuing Education

A Competency-based Model
for the Articulation of Credit



Innovation Requires Collaboration

❑ Davidson County Community College

- Continuing Education (Customized Training, HRD, and Occupational Ext)
- Curriculum Programs

❑ Workforce Development Entities

- Piedmont Triad Regional Council (WIB of Davie County)
- DavidsonWorks (WIB of Davidson County)
- Division of Workforce Solutions
- NC Department of Commerce- John Downing, Apprenticeship Consultant

❑ Businesses

- Ingersoll-Rand (Davie County)
- CV Products (Davidson County)



Articulation Model

❑ From Theory to Practice

- Competency-based model
- SACS reviewed and approved

❑ Meeting Student, Business, and Community Needs

- Awards credit for student learning
- Provides scaffolding for the development of employees
- Develops a workforce base with industry certifications and college completion

❑ Provides a Feedback Loop for Curriculum Development

- Uses collaboration with B&I to inform program design/improvement efforts



Nuts and Bolts

□ Design of the Course

1. Determine audience (Business vs. Open Enrollment)
2. Collaborate on Student Learning Outcomes
3. Embed SLO's into an appropriate continuing education course
4. Instructor tracks and maintains documentation of the successful completion of SLO's for every student

□ CE Course Requirements to Allow Articulation

- Instructor credentials must meet SACS criteria
- Student learning outcomes must be consistent with those defined in the Curriculum course
- Student learning outcomes must be measured using the same metric as used in the Curriculum course



Consistent and Transparent

DCCC
THE COLLEGE OF
DAVIDSON AND DAVIE COUNTIES

2013 CE3
Machining Calculat
Course Section: CTP-3007
Start Date: 8/20/13 End Date: 10

Course articulation documents for
are included in this pack

School of Business, Eng

DCCC
THE COLLEGE OF
DAVIDSON AND DAVIE COUNTIES

CE Instructor Verification Form

This form is attestation that Student Name (Student ID#) did/did not successfully achieve the learning outcomes set out for this course:

Course Credit is being requested for: CU Code Here

Student Learning Outcome	Measure	Successfully Completed (Yes/No)
1.		
2.		
3.		
4.		
5.		

Instructor Notes:

Competency demonstration(s) attached:

Instructor Name: _____ Date: _____
Instructor Signature: _____ Date: _____

April 21, 2014

DCCC
THE COLLEGE OF
DAVIDSON AND DAVIE COUNTIES

Continuing Education Course of Study to Curriculum Credit Equivalency

CE Name	Curriculum Name
CE Number	Curriculum Number
CE Hours	Curriculum Hours
	Credit

Continuing Education Course Competencies:

- Identify the parts and functions of an oxyacetylene cutting torch.
- Identify the parts and functions of various cutting equipment.
- List the safety practices of using oxy-fuel, plasma-arc, and other cutting equipment.
- Set-up and adjust cutting equipment.
- Use an oxy-acetylene rig, plasma cutting equipment, and other equipment to:
 - Cut a straight marked line on various thickness steel plate.
 - Cut various shapes out of carbon steel plate.
 - Cut carbon steel plate to a bevel and pipe.
- Comprehensive demonstration of all Learning Outcomes

Faculty Member (CU):
Print: _____ Signature: _____ Date: _____

Associate Dean (CE):
Print: _____ Signature: _____ Date: _____

Associate Dean (CU):
Print: _____ Signature: _____ Date: _____

Continuing Education Course: _____ *has been evaluated and deemed equivalent to Curriculum Course:* _____

Dean:
Signature: _____ Date: _____

Vice President of Academic Programs & Services
Signature: _____ Date: _____

DCCC
THE COLLEGE OF
DAVIDSON AND DAVIE COUNTIES

CE Justification of Faculty Qualifications

Name: _____

Department/School: School of Business, Engineering and Technical Studies

Associate Dean (CE): Jonathan [Toll](#)
Signature: _____ Date: _____

Associate Dean (CU): Pamela [Shatt](#)
Signature: _____ Date: _____

Academic Credentials:
Degree: Bachelor of Science Degree: Masters
Major: Natural Conservation & Management Major: Agriculture Education
Degree Granting Institution: Western Carolina University Degree Granting Institution: NC A&T
Year Received: 2002 Year Received: 2006

Other relevant learning experiences or certifications:
AWS D1.1 (22 Areas) – See Certificates in Files: AGMB (K) (2007), Refresher/certification course at Johnston Community College, Full-time Instructor at Trinity High School (2004-present)

Course(s)	College Transfer? (Yes / No)	Relevant learning experience(s) that have prepared this faculty member to teach these outcomes
CE_WLD110	No	AWS D1.1 (22 areas) along with 10 years of welding instruction experience
CE_WLD115	No	AWS D1.1 (22 areas) along with 10 years of welding instruction experience
CE_WLD131	No	AWS D1.1 (22 areas) along with 10 years of welding instruction experience
CE_WLD141	No	AWS D1.1 (22 areas) along with 10 years of welding instruction experience
CE_WLD215	No	AWS D1.1 (22 areas) along with 10 years of welding instruction experience

Other considerations:
Trinity High School Department Head
10 years of welding instruction experience
Over 200 certified welders awarded under his instruction

Attachments: AWS D1.1-2006 Welding Certificate, AWS D1.1-2010 Welding Certificate

Justification Approved: Dean _____ Date: _____
Justification Approved: VP _____ Date: _____

April 21, 2014



Innovation Implementations

□ Business and Industry Partnerships

- Ingersoll Rand
 - Round 1- 11 Participants
 - Earned CNC Operations Certificate (2012)
 - Round 2- 10 Participants
 - Completed: Blueprint Reading, Machining Calc, Intro to CNC, Manual Machining
 - 4 classes currently running- CNC Milling, Turning, GD&T and Lean
- CV Products
 - Round 1- 14 Participants
 - Completed: Blueprint Reading, Metrology, Machining Calc, GD&T
 - Completion of program in October
 - Three students worked outside of the project to complete GED

DCCC

THE COLLEGE OF
DAVIDSON AND DAVIE COUNTIES



BPR-111 Blueprint Reading

ISC-212 Metrology

MAC-121 Intro to CNC

MAC-151 Machining Calculations

DFT-121 Intro to GD&T

WLD-110 Cutting Processes

WLD-115 SMAW (Stick) Plate

WLD-122 GMAW (MIG) Plate/Pipe

WLD-131 GTAW (TIG) Plate

WLD-141 Symbols & Specifications

WLD-151 Fabrication I

WLD-215 SMAW (Stick) Pipe

WLD-261 Certification Practices

DCCC

THE COLLEGE OF
DAVIDSON AND DAVIE COUNTIES



To Our Partners

Thank you for joining us in working hard on work worth doing!

"Far and away the best prize that life has to offer is the chance to work hard at work worth doing."

- Theodore Roosevelt

DCCC

THE COLLEGE OF
DAVIDSON AND DAVIE COUNTIES



Questions?



Additional Resources

DCCC

THE COLLEGE OF
DAVIDSON AND DAVIE COUNTIES



DCCC

THE COLLEGE OF
DAVIDSON AND DAVIE COUNTIES

2013 CE3

Machining Calculations

Course Section: CTP-3001-2

Start Date: 8/20/13 End Date: 10/29/13

Course articulation documents for this class
are included in this packet.

Janelle Lee

Administrative Support Staff
Continuing Education
School of Business, Engineering and Technical Studies

May 6, 2014



CE Instructor Verification Form

This form is attestation that **Student Name (Student ID#)** did/did not successfully achieve the learning outcomes set out for this course:

Course Credit is being requested for: CU Code Here

Student Learning Outcome	Measure	Successfully Completed (Yes/No)
1.		
2.		
3.		
4.		
5.		

Instructor Notes:

Competency demonstration(s) attached:

Instructor Name: _____ Date: _____

Instructor Signature: _____ Date: _____



Continuing Education Course of Study to Curriculum Credit Equivalency

CE Name		Curriculum Name		
CE Number		Curriculum Number		
CE Hours		Curriculum Hours	Credit	Contact

Continuing Education Course Competencies:

1. Identify the parts and functions of an oxyacetylene cutting torch.
2. Identify the parts and functions of various cutting equipment.
3. List the safety practices of using oxy-fuel, plasma-arc, and other cutting equipment.
4. Set-up and adjust cutting equipment.
5. Use an oxy-acetylene rig, plasma cutting equipment, and other equipment to:
 - a. Cut a straight marked line on various thickness steel plate.
 - b. Cut various shapes out of carbon steel plate.
 - c. Cut carbon steel plate to a bevel and pipe.
6. Comprehensive demonstration of all Learning Outcomes

Faculty Member (CU):

Print _____ Signature _____ Date _____

Associate Dean (CE):

Print _____ Signature _____ Date _____

Associate Dean (CU):

Print _____ Signature _____ Date _____

Continuing Education Course: _____ *has been evaluated and deemed equivalent to Curriculum Course:* _____

Dean:

Signature: _____ Date: _____

Vice President of Academic Programs & Services:

Signature: _____ Date: _____

