



NORTH CAROLINA COMMUNITY COLLEGE SYSTEM

Thomas A. Stith, III

President

NUMBERED MEMO CC21-019

TO: Senior Continuing Education Administrators

FROM: Nate Humphrey,
Associate Vice President, Workforce and Continuing Education Programs

SUBJECT: State Board Course Approvals – April 2021

DATE: April 21, 2021

The State Board has approved the following Workforce Continuing Education courses for addition or modification in the Combined Course Library. Attached is the detailed information for each course.

New Courses

Course ID	Course Title	Recommended Hours	Tier Level
MEC 3015	Vacuum Infusion Process	35	3
NDE 3121	Ultrasonic Testing	96	1A
NDE 3153	Electromagnetic Testing	96	1A
SAF 3011	Mental Health First Aid	8	3
SON 3001	Foundations in Cardiovascular Anatomy and Measurement	16	3

If you have any questions concerning these courses, see the contact person listed on the attachment. If you have questions regarding the process for adding a new course or making a modification to an existing course in the CCL, contact Nate Humphrey at humphreyn@nccommunitycolleges.edu or call 919-807-7159.

CC: Continuing Education Registrars

Combined Course Library (CCL) Updates Workforce Continuing Education

New Courses

Requesting College or Agency: Guilford Technical Community College

Course ID	Course Title	Recommended Hours	Program Area	Tier Designation
MEC 3015	Vacuum Infusion Process	35	P35 – Industrial /Manufacturing	3

Description: This course is designed to provide students the capability of producing advanced composite parts utilizing the vacuum infusion process. Upon completion of the course, the student will be able to: describe the different types and properties of standard vacuum infusion components, molds, and processes and produce composite parts using the vacuum infusion process (VIP) method.

Contact Information

Karen Tikkanen 919-807-7158 tikkanenk@nccommunitycolleges.edu

Requesting College or Agency: Guilford Technical Community College

Course ID	Course Title	Recommended Hours	Program Area	Tier Designation
NDE 3121	Ultrasonic Testing	96	V20 – Aircraft Systems	1A

Description: This course introduces the basic principles, limitations, and advantages of ultrasonic nondestructive testing as applied to industrial components and provides the initial elements of ASNT's requirements for UT practitioners. Topics include sound wave modes and sound theory, and display modes are discussed and demonstrated through lab applications. Upon completion, students should be able to demonstrate a basic understanding of ultrasonics, select proper equipment, and set-up an instrument for straight beam examinations.

Contact Information

Karen Tikkanen 919-807-7158 tikkanenk@nccommunitycolleges.edu

Combined Course Library (CCL) Updates Workforce Continuing Education

Requesting College or Agency: Guilford Technical Community College

Course ID	Course Title	Recommended Hours	Program Area	Tier Designation
NDE 3153	Electromagnetic Testing	96	V20 – Aircraft Systems	1A

Description: This course describes the principles, limitations, and advantages of nondestructive examination (NDE) electromagnetic testing as applied to industrial components. Emphasis is placed on electromagnetic testing (ET) techniques, including using different electromagnetic equipment. Upon completion, students should be able to demonstrate a basic understanding of NDE electromagnetic techniques and their applications.

Contact Information

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Requesting College or Agency: System Office

Course ID	Course Title	Recommended Hours	Program Area	Tier Designation
SAF 3011	Mental Health First Aid	8	L30 – Health Occupations	3

Description: This course is designed to develop competencies in identifying, understanding, and responding to signs of mental illness and substance use disorder. Upon successful completion, students will possess the skills needed to reach out and provide initial support to an individual who may be developing a mental health or substance use problem and help connect them to appropriate care resources.

Contact Information

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Combined Course Library (CCL) Updates Workforce Continuing Education

Requesting College or Agency: Johnston Community College

Course ID	Course Title	Recommended Hours	Program Area	Tier Designation
SON 3001	Foundations in Cardiovascular Anatomy and Measurement	16	L30 – Health Occupations	3

Description: This course is designed to provide students an introduction to basic heart anatomy, the electrical conduction system of the heart, and an overview of normal and abnormal electrocardiogram evaluation. Upon completion, learners will be prepared to describe a sonographer's role in basic cardiac rhythm interpretation.

Contact Information

Karen Tikkanen 919-807-7158 tikkanenk@nccommunitycolleges.edu