

**STATE BOARD OF COMMUNITY COLLEGES  
Combined Course Library - Continuing Education**

**New Course Approvals, Modifications, and Tier Designations**

The State Board is requested to approve the following courses for placement or modification in the Combined Course Library (CCL).

**Request for New Course 1 of 5**

**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.

**Rationale:**

- At its January 2021 meeting, the State Board approved the re-allocation of up to \$75,000 to support the credentialing of Mental Health First Aid (MHFA) Instructor Trainers – with Vance Granville Community College as the fiscal agent.
- Given the pandemic, the variety of emotional challenges that the System’s students have historically faced, and the exacerbation of those challenges caused by the pandemic, funds were reallocated to provide training for one employee at each college to be certified as a National Council for Behavioral Health (NCBH) mental health first aid trainer.
- Recognizing the value of this State Board Reserve investment in the professional development of our own faculty and staff, this new course is proposed to facilitate certified college trainers to offer this course to community stakeholders, including business and industry partners, elementary and secondary educational institutions, and public safety agencies, among others.

**Credentialing Information:** National Council for Behavioral Health

**Request for New Course 2 of 5**

**Requesting College or Agency:** Guilford Technical CC

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

Course ID	Course Title	Recommended Hours	Program Area	Tier Designation
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**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.

**Rationale:**

- Current aviation manufacturing, structures assembly, and repair courses do not adequately support developing these competencies common in the aviation sector and in-demand by local industry. The course will address this gap, improve student competitiveness in the labor market, and better support industry employer partners' needs.
- Composite manufacturing has evolved into a diverse industry. It can be found in the marine, aerospace, automotive, sports equipment, construction, alternative energy, medical devices, and many other industries, creating an expanding wealth of opportunity for talented practitioners.

**Credentialing Information:** American Composites Manufacturers Association: Certified Composites Technician-Vacuum Infusion Process

**Request for New Course 3 of 5**

**Requesting College or Agency:** Guilford Technical CC

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.

**Rationale:**

- Students, industry employees, do not have quick training provisions for nondestructive testing (NDT) certifications. The NDT training is specialized and constantly requested by local business and industry. This request for NDT Ultrasonic testing (UT) will support and enhance other NDT offerings to align with workforce pipeline demands. The only current option for students or current employees is a curriculum NDT program, which requires a significant absence from work.

**Credentialing Information:** American Standards Nondestructive Testing (ASNT): Various

**Request for New Course 4 of 5****Requesting College or Agency:** Guilford Technical CC

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.

**Rationale:**

- Students and industry employees do not have quick training provisions for nondestructive testing (NDT) certifications. The NDT training is specialized and constantly requested by local business and industry. This request for NDT Electromagnetic testing (ET) will support and enhance other NDT offerings to align with workforce pipeline demands. The only current option for students or current employees is a curriculum NDT program, which requires a significant absence from work.

**Credentialing Information:** American Standards Nondestructive Testing (ASNT): Various**Request for New Course 5 of 5****Requesting College or Agency:** Johnston CC

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.

**Rationale:**

- This course will provide a foundation in cardiac physiology and electrocardiography for prospective electrocardiography students and other learners interested in healthcare occupations that utilize clinical electrocardiography. Upon completion, skills will be gained by learners pursuing healthcare pathways, such as cardiovascular sonography, cardiovascular technicians, and nursing, as these degrees require basic electrocardiography comprehension. Although a specific certificate or marketable skill will not be gained, the course is intended to spark an interest in learners to pursue further studies in electrocardiography or other healthcare pathways.

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