



EMERGING WORKFORCE
INNOVATION CENTER
AT RHODES STATE

RHODES STATE COLLEGE
MAJOR GIFTS CAMPAIGN

MAKING A DIFFERENCE

Addiction Services and Social Work Program

The Addiction Services and Social Work Program is for students who are passionate about helping individuals with substance use disorders. The curriculum prepares students to pursue the Chemical Dependency Counselor Assistant (CDCA) and/or the Licensed Chemical Dependency Counselor II (LCDC II) certifications from the Ohio Chemical Dependency Professionals Board. Students will also be prepared to achieve the Social Work Assistant (SWA) through the Ohio Counselor, Social Worker and Marriage and Family Therapist Board.

With this degree and three possible state certifications, students will be ready for meaningful careers helping those with substance use disorders.

Phase I: Certificate Launch - Fall 2021

Addiction Services Certificate

The Addiction Services Certificate can be earned by taking two courses that provide the hours in specific chemical dependency content areas to pursue the Chemical Dependency Counselor Assistant (CDCA-Preliminary and CDCA-Renewable) from the Ohio Chemical Dependency Professionals Board.

HUM 1720	Substance-Related & Addictive Disorders	3
HUM 2710	Addictions Counseling	3
		<hr/>
		Total Credit Hours 6

This series of courses provides the 40 hours of chemical dependency education for the CDCA-Preliminary and the 30 hours of chemical dependency education for the CDCA-renewable by providing 90 hours of chemical dependency specific education content.



Phase II A - Design of Dedicated Space - Spring 2022

Design a dedicated space on main campus: the **Justin A. Borra Center for Addiction Studies and Services**.

Rhodes State College will be the first institution in the area to specifically design a center for the education of students in the field of addictions. A dedicated space will:

- Provide a highly functional and effective space for students to learn and practice skills
- Showcase the importance of this program
- Demonstrate the vital and essential need of addiction services careers

The Center's technology will create a HyFlex classroom which allows students to access meetings and materials online or in-person, during or after class sessions. The HyFlex technology enables lectures, discussions, and presentations to be recorded in real time for synchronous learning or for viewing later. This is the most contemporary learning mode to enable all students the ability to attend college on busy schedules. Additionally, the technology enables connection to external partners (hospitals, treatment centers, and universities) for learning opportunities.

Phase II B - Associate Degree Launch - Fall 2022

Phase III - Mental Health Services - Spring 2023

Provide in-person mental health services for students by qualified professionals at the Justin A. Borra Center for Addiction Studies and Services on the Rhodes State campus.

LEADING THE WAY IN AGRICULTURE

The Rhodes State Agriculture Technology Program

The Rhodes State Agriculture Technology Program will provide students hands-on experience with precision equipment and smart technology used in farming to optimize crop yield and increase efficiencies. Students will be trained to adapt and adopt emerging applications and technology.

Agriculture Design Laboratories (ADLs) will be a part of the newly designed space and will include high-tech simulation and collaborative learning areas. Simulators and real-time equipment will be utilized for training in computers and industry developed software, planters, drones, sensors, robots, and smart (autonomous) vehicles.

Areas of Study

Agriculture Business

Students will be introduced to agriculture business, sales and marketing, and sustainable agriculture.

Agronomy

Students will learn about soils and crop, nutrient, and pest management.

Prescription Mapping

Students will experience surveying and associated GPS/GIS principles, drone and remote sensing technology (crop, soil, and environmental data), data analysis and interpretation, and map creation.

Robotics and Artificial Intelligence (AI)

Students will gain a technical foundation and practical understanding of operation and repair of robotic applications in agriculture. This is a dynamic and emerging area with many prototypic applications.

Career Areas

Students completing these options will be prepared for technician positions with farmers, agricultural consulting firms, local equipment dealers, agriculture suppliers, agricultural retailers, and equipment manufacturers.

Agriculture Design Laboratories (ADLs)

Four Agriculture Design Laboratories (ADLs) will be created in the James J. Countryman (JJC) Engineering and Industrial Technology Building at Rhodes State. The ADLs will be used for college courses, workshops, seminars, and to showcase regional agriculture. A living wall will serve as the focal point to compliment displays of local agriculture history along with collaborative learning spaces for students, faculty and industry partners. The long-term vision includes a greenhouse for focused agronomic studies and community gardens to experience applied agriculture. The development of the ADLs will occur in phases:

Phase I: Agronomy - Spring 2022

The Agronomy learning space includes a Hyflex classroom and a soils wet laboratory. The classroom, with a demonstration table to showcase experiments in the room and virtually, will be connected to the soils laboratory.

Phase II A: Robotics/Autonomous Center – Summer 2022

In the Robotics/Autonomous Center, students will experience manufacturing and agriculture robots and agriculture autonomous vehicles. This Center will serve both the agriculture and manufacturing programs with a Hyflex classroom, a laboratory for robots and autonomous vehicles, and a computer lab.

Phase II B: Enhance Atrium and Classrooms – Summer 2022

The JJC Atrium will serve as the entrance to the ADLs. It will include multiple wall monitors, a living wall, and collaborative learning spaces for students. The large JJC classrooms will become Hyflex classrooms to allow students to attend classes in person and virtually.

Phase III: Precision Agriculture Building – Spring 2023

The Precision Agriculture Building will house the technology and equipment for prescription mapping. It will have a lecture room and laboratories for GIS, drones, and prescription mapping. Students will install and troubleshoot precision equipment using actual agricultural implements to capture data to develop maps to plot field, soil, water and seed conditions to increase crop yields and efficiencies.

Phase IV: Gardens – Summer 2023

Outdoor gardens will be established for student and community use.

Four Agriculture Technology Certificates are approved and the Agriculture Technology Associate Degree program is pending Higher Learning Commission approval.



NEW AND ENHANCED DEGREES AND CERTIFICATES

Radiographic Imaging

The Radiographic Imaging program will begin offering two new certificates in Mammography and Computed Tomography (CT) in 2021. The program, accredited by the Joint Review Committee in Radiologic Technology, will have a redesigned space at Rhodes with new equipment and technology. Graduates are prepared for radiography careers in numerous healthcare settings, and radiography is a foundation for careers in diagnostic medical sonography, imaging education and healthcare administration.



Surgical Technology Program

The Surgical Technology program will be the newest associate degree in the Division of Health Sciences and Public Service. The surgical technologist works closely with surgeons, anesthesiologists, registered nurses, and other personnel delivering surgical patient care.

Industry 4.0

Industry 4.0 focuses on interconnectivity of production, machine learning, automation and real-time data. It provides students with the foundational knowledge to work with smart automation and the Industrial Internet of Things (IIoT). Students will learn fundamental skills in programmable logic controllers, pneumatics, hydraulics, and electrical circuits while focusing on key elements of Industry 4.0:

- Robotics and Mechatronics
- Additive Manufacturing
- Cyber Security
- Autonomous Machine

Students completing this program will be prepared for technician positions with employers in the areas of robotics and electrical, mechanical, maintenance and additive manufacturing.





A variety of Naming Opportunities
are available for all areas of the
Emerging Workforce Innovation Center.

For questions or more information
on your giving options, please contact:

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