



Health Sciences Technology-Driven Interdisciplinary Collaborative

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Northwest Campus

Wayne County Community College District

Wayne County Community College District (WCCCD) was established in 1967 by the State of Michigan Legislature. The college serves 32 communities and townships in Wayne County, Michigan, a region with nearly two million residents.

The screenshot shows the WCCCD website homepage with a blue header. The header includes the WCCCD logo, the text "Wayne County Community College District", and the slogan "One Vision, One District, One College". Navigation links for "CALENDAR", "DIRECTIONS", and "SITE MAP" are present, along with a search bar. A green button prompts users to "APPLY, REGISTER OR LOGIN TO WEB-GATE NOW". Below the header, there are logos for five campus locations: Downtown, Eastern, Northwest, Western, and Mary Ellen Stemple University Center. A horizontal menu bar contains links for "ABOUT US", "PROGRAMS", "DIVISIONS", "STUDENTS", and "FACULTY/STAFF". The main content area features a collage of photos on the left, including a "SAVE THE DATE" announcement for Dr. Neil Ulgrasse Tyson. On the right, a large graphic celebrates the "50th ANNIVERSARY 1967-2017" with the text "50 Years of Service". The footer displays six categories with corresponding images: Associate Degrees and Certificates (graduation cap), Institute for Social Progress (hands holding a globe), Distance Learning (globe), School of Continuing Education and Workforce Development (group of people), Michigan Institute for Public Safety Education (firefighters), and Heinz C. Prechter Educational and Performing Arts Center (performer).

Wayne County Community College District's mission is to empower individuals, businesses, and communities to achieve their goals through excellent and accessible services, culturally diverse experiences, and globally competitive higher education and career advancement programs.



The banner displays the college's website header and a central promotional section. The header includes the college logo, navigation links for calendar, directions, and site map, a search bar, and a 'One Vision, One District, One College' slogan. Below the header are icons for various campus locations and a 'REGISTER NOW' button. The main section features a large image of students and a green sidebar with registration information. The footer lists various academic and professional programs with corresponding icons.

Wayne County Community College District
One Vision, One District, One College

APPLY, REGISTER OR LOGIN TO WEB-GATE NOW

REGISTER NOW
for the
2016 Summer Semester!

Summer 1 Classes
Begin May 16

Summer 2 Classes
Begin June 16

Associate Degrees and Certificates
Institute for Social Progress
Distance Learning
School of Continuing Education and Economic and Workforce Development
Michigan Institute for Public Safety Education
Heinz C. Prechter Educational and Performing Arts Center

WCCCD's six campuses are located in industrial, rural, and metropolitan areas where a major share of Michigan's technical and skilled occupations are located. Because of the diversity of its service areas, WCCCD places a strong emphasis on occupational and career programs, traditional college, and university transfer programs, including those within the liberal arts discipline.



Learn how to excel in the various fields of Information Technology!



Click here for more information



Wayne County Community College District...
Jobs for Today, Jobs for the Future!

Exciting New Career Programs!



**Anesthesia
Technology**

NORTHWEST CAMPUS



**Craft
Brewing**

WESTERN CAMPUS



**Medical
Administrative
Specialist**

DOWNRIVER CAMPUS



**Product Development
and Prototyping
(3D Printing)**

EASTERN CAMPUS

For more information about these and additional career programs and certificates, please call 313-496-2600 or visit www.wcccd.edu

Health Sciences Programs

- **Pharmacy Technology**
- **Surgical Technology**
- **Nursing**
- **Dental Hygiene**
- **Dental Assisting**
- **Nursing Assistant Training**
- **Emergency Medical Technology**
- **Public Safety - Paramedic**
- **Anesthesia Technology**
- **Patient Care Technology**
- **Phlebotomy Technician**
- **Medical Office Specialist**

Healthcare Simulation Event

- **Students use simulations to practice skills they would need at clinical sites where they will have opportunity for real life experiences.**
- **It is also used to enhance learning comprehension as well as to prepare for exams.**
- **It keeps students engaged in active learning mode and positively impacts attrition.**

Health Science Interdisciplinary Simulation Laboratory (HSISL)



SimMom; SimMan; SimMan 3g; SimBaby

Health Sciences Simulation – Problem Statement

There is a need for the programs to work together in real-life scenarios.

- Medical Surgical Nursing students participate in complications of Post-Surgery, Chest Pain/Myocardial Infraction, and Intestinal Obstruction scenarios that mimic a real situation that could occur in a hospital setting.
- Obstetric Nursing students participate in a scenario that mimic a real Post-Partum Hemorrhage crisis that occurs in the labor and delivery room.
- Psychiatric Nursing students participate in a scenario that mimic a real life psychiatric Paranoid Schizophrenia episode with a patient.
- Pediatric Nursing students participate in a Respiratory Syncytial Virus (RSV) Infection scenario that mimic a real crisis that could occur in a pediatric area of a hospital.
- EMT-Paramedic students participate in scenarios that mimic pre-hospital emergencies. The medical scenarios include strokes, heart attacks, live births, and hyper/hypoglycemia together with trauma scenarios such as falls, lacerations, burns, and abuse.
- Anesthesia Technology students practice aiding an anesthesiologist with the required supplies for a pre and post-surgical patient.

Technology-Driven Interdisciplinary Healthcare Simulation Event

There is a need for an interdisciplinary event that utilizes a multitude of students from a variety of programs. This will have the students working together in a fluid and connected effort to bring a complete picture of pre-hospitalization treatments through post surgical care.

Whether it be from a medical condition or a traumatic injury, students can learn to work side by side with students from other programs. Relying on others for their specialties, and communicating with other sections of the health care system will improve their comprehension and expertise thereby improving patient's health.

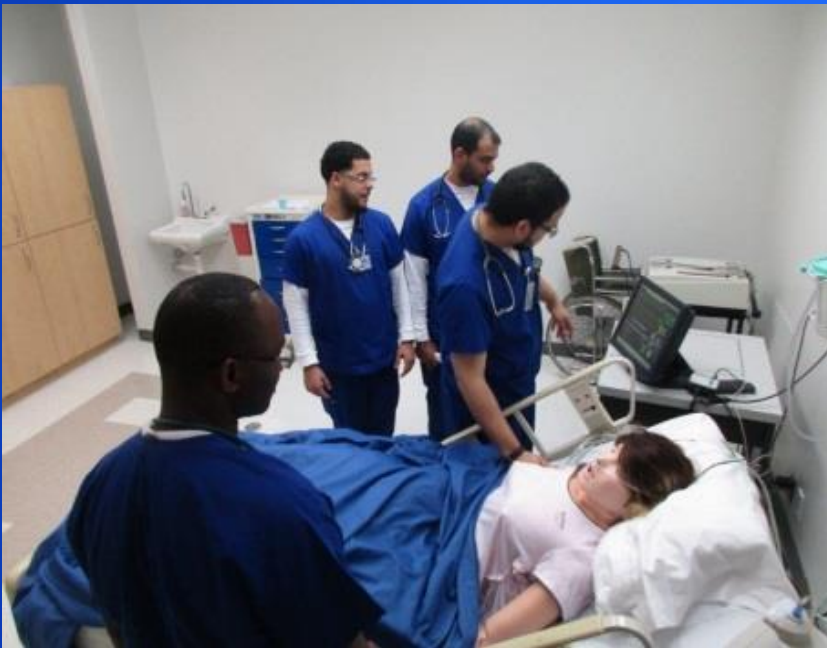


Interdisciplinary Collaborative Real-Life Scenarios

When performing simulation, it is most impactful when it prepares the participants for an event they may encounter in real life.

By performing high-risk, low-occurrence scenarios that happen in real life, we allow the students a chance to gain confidence in their competencies.

By incorporating multiple programs in an interdisciplinary fashion, we can increase the immersive realism of the scenario, and allow students to see more of the complete care a patient experiences.



Interdisciplinary Collaborative Real-Life Scenarios

Patient is triaged and treated by students from various programs



Interdisciplinary Collaborative Real-Life Scenario - Debriefing

Debriefings are held as the concluding process of the healthcare simulation. This is where the questions **WHY? WHO? WHAT? HOW? WHEN? and WHERE?** can and will be answered for any and all participants.

The students, instructors, facilitators, and actors get a chance to discuss the events that transpired from the beginning to the end.

Documents, videos, and any other reports that were created during the exercise are reviewed.

Everyone gets a chance to ask questions, answer questions, provide feedback, give affirmations, and provide rationale for any part of the event.



Current Challenges

- **How to incorporate Dental program into the capstone scenarios**
- **Designing new and relevant scenarios**
- **Synchronizing different program capstone calendars**

Concluding Thought / Questions?

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