



Healthcare Simulation Technology Specialist

Dr. Teddy A. Farias D.C. M.S.
NN2 Fall 2017

your name

Title III Grant

- Wichita KS

- Air capital of the World
- Manufacturing Hub

- Grant awarded 2.5 million dollars to add three new medical type programs and tutoring/support services



your name

Title III Grant Continued

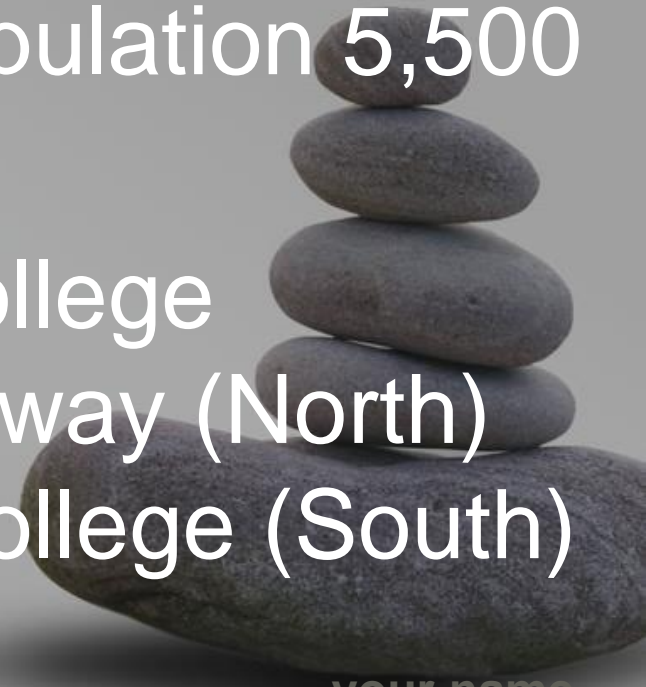
- Veterinary Technology
- Paramedic
- Cardiac Sonography



your name

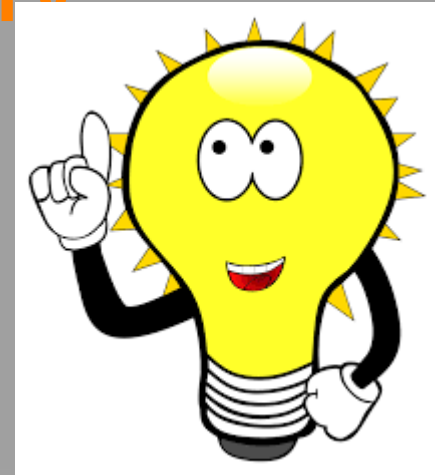
Board of Regents Issues

- It doesn't matter if you have a federal grant!!!
- Colby Kansas = 288.9 miles from Wichita/4 hours away. Population 5,500 vs. 500,000.
- Hutchinson Community College Population 42k, 55 miles away (North) and Cowley Community College (South) Population 36k 50 miles



Cardiac Sonography

- Show of hands, who has this program at the 2 year level?
- B.S. in Diagnostic Medical Sonography in town.
- Other options
- Chat with the president



your name

Simulation Technology

- Who has human patient simulators?
- Who has someone running them who had experience before they were voluntold?
- IT background
- Healthcare Background



Simulation Technology

- What do they do?
 - Moulage and smells
 - Full immersion/high fidelity setup
 - 1080i/720p/microphone/tech?
 - Maintenance
- Our Facility/Merger



your name

Simulation Technology

- Uh oh, this is happening!!!
- SSIH
 - Blueprint
 - Baccalaureate or case by case
- Technical School networking
 - IT Courses
 - Robotics Course



your name

Wichita Area Technical College

Healthcare Simulation Specialist AAS Total Credits =		67
<u>Semester 1</u>		
<u>Course #</u>	<u>Course Title</u>	<u>Credits</u>
ENG 101	Composition I	3
CED 115	Computer Applications	3
ROB 100	Introduction to Robotics	3
MTH 101	Intermediate Algebra	3
PDV 105	Blue Print for Success	2
	Total Credits Term 1	14
<u>Semester 2</u>		
<u>Course #</u>	<u>Course Title</u>	<u>Credits</u>
INF 105	A+ Certification - Essentials	3
INF 110	A+ Certification - Application	3
INF 115	Network + Part I	3
INF 116	Network + Part II	3
SOC 101	General Sociology	3
CPR 101	CPR for Healthcare Providers	1
	Total Credits Term 2	16
<u>Semester 3</u>		
<u>Course #</u>	<u>Course Title</u>	<u>Credits</u>
HST XXX	Introduction to Simulation	4
HST XXX	Anatomy, Physiology, & Pathology for Simulation	4
HST XXX	Scenario Development I	3
HST XXX	The Human Patient Simulator	3
HST XXX	Human Patient Simulator Clinical Experience I	1
	Total Credits Term 3	15
<u>Semester 4</u>		
<u>Course #</u>	<u>Course Title</u>	<u>Credits</u>
HST XXX	Moulage and Staging	6
HST XXX	Operation and Maintenance	6
HST XXX	Research in Healthcare Simulation	2
HST XXX	Simulation Center Management	2
	Total Credits Term 4	16
<u>Semester 5</u>		
<u>Course #</u>	<u>Course Title</u>	<u>Credits</u>
HST XXX	Healthcare Simulation Clinical Experience II	6

Wins

- Positive feedback from the community
- Positive feedback from manufactures and per diem jobs
- Additional Perkins funding 113 k for A/V – laerdol donation at the last minute
- College support
- College is doing well!!!



your name

Obstacles

- No CIP
- No SOC
- Credit hours
- Admissions department buy in
 - What is it again?
 - How much will they make?
 - Where will they work?
- Sustainability?
 - How often to upgrade manikins
 - Space concerns



your name



Possibilities

- Ahead of curve, but if not us, who and when?
- Online/national/global opportunity – PT Model WSU dorms
- CEU's with County EMS, local hospitals, etc.
- Interdisciplinary from entry level to doctorate with merger

