

## Biomedical Capstone

### Course Description

(Prerequisites: Introduction to Biomedical Science and Comparative Anatomy and Physiology) This course is for seniors in the Biomedical Pathway. Students spend time interning for a wide range of biomedically focused local companies, businesses, and organizations. Students in this course will gain work experience and become more familiar with several possible career paths and opportunities available to them so that they can make informed decisions on how to best achieve their biomedical professional goals. It is recommended that students have access to their own transportation.

### Course Objectives

- Demonstrate an understanding of academic honesty and ethics.
- Demonstrate effective communication skills, through team working, oral presentations, and good written communication.
- Develop and refine skills related to academic research and the effective communication of complex ideas.
- Development of professional skills.
- Career-oriented and purposeful planning for the pursuit of a career in biomedicine
- Experiential Learning.

### Assessing Performance

Students are assessed by obtaining grades from the following: Achievement of certifications, Logged experiential hours, SMART plans, Communicative Projects, Reflective Journaling.

### Materials

Students will need to plan for their own transportation to and from internship locations.

If students are unable to find a location to participate in experiential learning, funds for their individual research project should be made available to them.

All students will earn a HIPAA certification, at a cost of approximately \$30 per student.



Gordon A. Cain Center

## BIOMEDICAL CAPSTONE

### 1. Materials

Students will need to make arrangements for their own transportation to and from internship locations. If students are unable to find a location to participate in experiential learning, funds for their individual research project should be made available to them.

All students will earn a HIPAA certification, at a cost of approximately \$30 per student.

### 2. Required software, networking access, and access to LSU servers:

None

### 3. Required teacher collaborations

Teachers will communicate with LSU Pathway instructors via a Google group set up for this purpose. Teachers will need to network with local biomedical businesses in their area to facilitate student internship placements and monitor student participation. Teachers will need to share sample student work with their designated LSU Pathway Point-of-Contact.

### 4. Required administration of course content, pre/post test, and research instruments

All required materials and instruments will be either posted in a Google drive or their location announced via the Google group for this course.

### 5. Course Work

Teachers must present the course material in sequence or as approved by collaboration with the LSU Pathway Point-of-Contact. Teachers are expected to deliver a minimum of 80% of the course material.

### 6. Other

As this is a project-based learning class, we strongly suggest that each section of the course should be limited to a *maximum* of 30 students. If the course is overloaded with students, they will not receive adequate support.