

## Senior Project

**Goal:** Prepare and present a **SENIOR RESEARCH PROJECT** that demonstrates the student's ability to:

- a) utilize research and analytical skills to define and study a health/bioscience-related career or issue;
- b) access and utilize reliable sources of information from a variety of media (including electronic references and community resources);
- c) write a fully-documented research paper based on the study;
- d) develop and implement an action plan to address the issue;
- e) develop connections and engagement with the community;
- f) produce a portfolio in which process and progress are documented;
- g) use effective written and oral communication skills;
- h) create a visual display and oral presentation of the project;
- i) develop an assessment plan to evaluate achievement and attainment of senior project goals.

### Senior Project Elements

- A. Research (Advanced Composition and Senior Seminar)
  1. Selection of Topic/Research Question
  2. Selection of Advisor
  3. Basic Research Skills
  4. Development of Proposal
    - a. Title/Description
    - b. Evidence of Progress
    - c. Plan of Action
    - d. Materials/Resources List
    - e. Formative Evaluation/Project Benchmarks
    - f. Summative Evaluation
  5. Reflective Journal

6. Writing the Research Paper (Advanced Composition)
  - a. Pre-writing notes
  - b. Outline & thesis statement
  - c. Note cards
  - d. Abstract
  - e. Draft #1& #2
  - f. Final Paper
  - g. Works Cited List
  
- B. Project (Senior Seminar)
  1. Description of Product/Service
  2. Rationale of Selection
  3. Expected Results
  4. Specific Steps for Completion (at least 15)
  5. Timeline
  6. Product/Service Distribution Plan
  7. Evaluation Plan
  8. Final Product
  
- C. Presentation (Advanced Composition and Senior Seminar)
  1. Effective oral communication skills
  2. Effective use of visual aids (displays, multimedia, technology)
  3. Accurate knowledge of subject/project/process
  4. Demonstrate knowledge of major concepts and aspects of the health/bioscience industry as related to project
  5. Self assessment and reflection
  
- D. Project Portfolio (evidence of progress)
  1. Abstract
  2. Edited Drafts of Research Paper
  3. Project Plan
  4. Project Log
  5. Reflective Journal
  7. All drafts of product (if applicable)
  8. Advisor Meeting Notes
  9. Evidence of Final Product or Service
  10. Self-reflection Paper (Process Evaluation)