

# Binghamton University Scholars Program

## Scholars Curriculum Considerations for Students enrolled in the *Freshmen Research Immersion (F. R. I.) Program*

### **I. General Information:**

The Freshmen Research Immersion (FRI) Program <http://www.binghamton.edu/freshman-research-immersion/> is a three-semester, groundbreaking program that gives first-year STEM (Science-Technology-Engineering-Mathematics) students the opportunity to combine their academic studies with the experience of conducting real research and investigating important problems that yield publishable results in the areas of:

- Biofilms (Microbiology)
- Smart Energy (Chemistry and Physics)
- Neuroscience
- Biomedical Chemistry
- Image and Acoustic Signal Analysis (Computer Science and Electrical Engineering)
- Biomedical and Molecular Anthropology
- Biogeochemistry for Environmental Science
- Geospatial Remote Sensing (in development)

For information regarding the F.R.I Program, you may contact:

Director: Nancy Stamp, Professor of Biological Sciences, S3-373, 607-777-6533

Program Coordinator: Megan Fegley, PhD, S4-G43, 607-777-5525

### **II. Scholars Curriculum Considerations:**

The F.R.I Program is not directly related to the Binghamton University Scholars Program. However, certain Scholars requirements are met upon completion of specific F.R.I courses as identified below:

**A. The Scholars III requirement will be met** upon successful completion of one of the following courses:

- Biofilms (Microbiology): BIOL 323 Biofilm Research Stream – 4 credits
- Smart Energy (Chemistry and Physics): PHYS 235 or MSE 212 - Smart Energy Research Stream II – 4 credits
- Neuroscience: PSYC 364 Neuroscience Research Stream II – 4 credits
- Biomedical Chemistry: CHEM 262 – Biomedical Chemistry Research Stream II – 4 credits

- Image and Acoustic Signal Analysis (Computer Science and Electrical Engineering): EECE215 or CS 215 – FRI Image & Acoustic Signal II – 4 credits
- Molecular and Biomedical Anthropology: ANTH305 - 4 credits
- Biogeochemistry for Environmental Science: ENVI334 or GEOL334 – 4 credits
- Geospatial Remote Sensing (in development – to be announced)

**B. To receive credit for Scholars III:**

Scholars in the FRI Program must complete the following in the same semester in which the third FRI course (as listed above) is taken:

- a. Submit both Pre and Post Scholars III approval forms on B-Engaged
- b. Register for SCHL327

**C. Delaying SCHL 280 Courses -**

- Scholars enrolled in the F.R.I. Program and taking the required F.R.I. courses may **optionally** (not required) delay taking their SCHL 280 courses for up to one year if so desired. Therefore, instead of taking SCHL 280 courses in the second and third semesters, FRI Scholars may delay taking their SCHL 280 courses until their fourth and fifth semesters if desired
- **Scholars MUST request permission from Professor Ziegler** (by email) **to delay meeting the SCHL 280 requirements**
- All other Scholars requirements must be fulfilled on time.