



Fayetteville State University
Research Initiative for Scientific Enhancement (RISE) program &
Health Careers Opportunity Program (HCOP)

**2011 Pre-RISE/ HCOP
Summer Enrichment Program (SEP)
July 5-August 5, 2011**

The Summer Enrichment Program for pre-matriculation and Health Careers Opportunity Program (HCOP) is a 5-week, non-residential program sponsored by the Fayetteville State University Research Initiative for Scientific Enhancement (RISE) Program, and the Health Careers Opportunity Program (HCOP). The goal of the program is to prepare incoming FSU freshman students and rising sophomores, who are interested in science-related majors, for beginning college courses in the biology and chemistry major. Participants will be engaged in intensive enrichment activities in the classroom and hands-on laboratory activities in MATH 129 (Pre-Calculus); Principles of Biology (BIOL 150); and CHEM 140 (General Chemistry). In addition to enrichment activities, scholars will participate in academic support in all courses and present PowerPoint Presentation of what they learned each week in each course during Enrichment Seminars on Fridays. It has been well-documented that this summer preparation has given students the academic edge necessary to lead in the classroom during the academic year, retain students in the science major, and facilitate early or on-time graduation in the science major. Scholars also engage in weekly professional development seminars and social activities to promote success in the science major and to become better student leaders. Finally, students also participate in a two-day Leadership Retreat in Myrtle Beach, South Carolina to strengthen their leadership skills and to expand their knowledge on careers in health and biomedical research. The culmination of the Summer Enrichment Program is the Closing and Awards Ceremony where scholars present what they learned over the summer to faculty, students, family and friends and scholars are recognized for their outstanding participation in the program.

Program starts Tuesday, July 5 and ends Friday, August 5, 2011. Participants must complete all components of SEP to be eligible for the \$800 stipend. Applications are due no later than Friday, May 12, 2011.

Eligibility

1. You must be an entering freshman or sophomore in the fall 2011.
2. You may not participate in SEP if you are required to participate in the FSU CHEER program.
3. You must have an intended biology/ pre-med, chemistry, biotechnology or forensic science major.
4. You must be serious about learning and willing to complete all components of the program.
5. You are required to pay a \$50 registration fee upon being accepted into SEP to offset cost of snacks, week-end career trip, and 2 additional guests at the Closing Award Ceremony Banquet on Friday, August 5 from 12-2 pm.

Program Benefits

- **Take advantage of free education.** Receive enrichment in courses to help you prepare for core courses you will take in the science major for FREE. In fact, you will make \$800 while you learn, unlike working all summer at a fast food restaurant and gain no academic preparation.

- **Get a head start and learn the ropes and get accustomed to college life.** You will meet other students and faculty and learn your way around campus before other freshmen even arrive. Adjust to the increased academic expectations and personal freedoms of college before you begin your first year.
- **Gain a laboratory research experience.** Participation in hands-on laboratory projects will help broaden your knowledge of science and make you a more competitive student for other paid research programs in the freshman year.
- **Earn due praise.** If you graduate in four years, you will receive special recognition as a Scholar at commencement.
- **Receive \$800 for your participation.** Upon completion of the program, you will receive a stipend of \$800. We are essentially paying you to learn!
- **Career/Leadership Retreat.** Broaden your knowledge of careers in science and strengthen scholars' leadership abilities. SEP Career/ Leadership Retreat to Myrtle Beach, SC on July 22-23.

**2011 Pre-RISE/ HCOP Summer Enrichment Program
Overview**

Schedule

TIME	Monday	Tuesday	Wednesday	Thursday	Friday
8:30 am- 10:20 pm	Math 129 Prep (Mr. Gillespie)	Exploring Science Lab (Dr. White)	Math 129 Prep (Mr. Gillespie)	Fundamentals of Chemistry & Lab (Dr. Pearson)	<ul style="list-style-type: none"> • Administrative Activities • Study Hall/ Preparation of Presentations
10:30 am- 12:30 pm	Fundamentals of Biology (Dr. Raynor)		Fundamentals of Biology (Dr. Raynor)		<ul style="list-style-type: none"> • Enrichment Seminar (10:00-11:00 am) • Student Presentations (11:00 am-12:30 pm)

*Faculty Payment= \$2,000

Fundamentals of Biology (20 hours)

Math 129/130 prep (20 hours)

Exploring Science/Labs (20 hours)- Expands student knowledge of biology and provides laboratory experience (32 hrs).

Exploring Chemistry/ Labs (20 hours)- Expands student knowledge of chemistry and provides laboratory experience.

Study Hall – (10 hours)- Allotted time for students to study, prepare PowerPoint Presentations, and explore Biomedical Research Careers

Enrichment Seminars- (10 hours)-

- The FSU-RISE Program: Pathway to Research Careers & Exploring Research Careers
- Tips for Studying for Success in College
- Exploring the Biomedical Science Field
- What are of Biomedical or Behavioral Sciences would I pursue and why?

Student Presentations- (7.5 hrs)

Career Trip Date- July 16-18 or July 23-25.