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## Opportunities for High School Students

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## Opportunities for High School Students

The pre-college student programs at the University of Iowa provide high ability and highly motivated secondary students the opportunity to interact with college instructors, science educators, research scientists, and other university personnel and earn university credit. The SSTP program provides a collegiate environment whereby secondary students can pursue individual interests and in-depth studies generally not attainable in normal high school programs. The primary objective is to encourage motivated and capable students to pursue scientific careers. The Environmental Programs are designed for providing greater awareness of problems and suggested action modes which are deemed important to the future of our planet. Each program involves extensive field work in order to emphasize the objectives and to facilitate student awareness of immediate environmental concerns. The environmental programs include the Yellowstone, Rocky Mountain, Northwoods Wilderness, and a mid-winter Florida Ecology Program. The Research Participation Program will provide at least seventy students with the opportunity to work on a research project in the research laboratories under the direction and with cooperation of University professors and their staff. The student will prepare a paper describing his/her research efforts. The research projects include: Microbiology, Radiation Research, Biochemistry, Internal Medicine, Dentistry, Engineering — Electrical and Chemical, Geology, and a host of others. The Course Centered Programs are designed to provide college experiences in a variety of disciplines. These courses are not survey courses and do not represent typical introductory courses in college. Instead the programs are designed to provide fascinating glimpses of these fields at the threshold of research and discovery. The programs include Physics/Astronomy, Biochemistry, and Computer Science. The SSTP programs resemble graduate study because the students work together in small groups and are encouraged to think through problems they encounter. Most of the students are between their junior and senior years in high school, although students having completed their senior year are eligible for participation. Twenty-two minute tape/slide shows describing the programs are available upon request.

Additional information can be obtained by writing to:

Iowa-SSTP  
Science Education Center  
455 Physics Building  
University of Iowa  
Iowa City, IA 52242