In case you were wondering...
A major in the College of Agricultural, Life and Natural Sciences can prepare you for a WORLD of CHOICES!!!
College of Agricultural, Life and Natural Sciences

▲ Five (5) Departments ▲

Biological and Environmental Sciences - BES
Community and Regional Planning - CRP
Family and Consumer Sciences - FCS
Food and Animal Sciences - FAS
Military Sciences (Army ROTC)
Career Options for Majors within the Biological and Environmental Sciences

BS in biology presents opportunities for various types of industry jobs: environmental, medical laboratories & pharmaceutical; universities/research lab, chemical companies, and clinical research

MS degree or PhD-level course work in biology with concentrations in microbiology, physiology, genetics, molecular biology, etc. offer specialized careers in:

- medicine
- dentistry
- pharmacy
- nursing
- environmental health
- research
- field biology
- industry and teaching

Health Related Careers
- Physician
- Food and Drug Inspector
- Pharmacologist
- Respiratory Therapist
- Dental Hygienist/Technician
- Podiatrist
- Veterinarian
- Dentist
- Optometrist
- Pharmacist
- Chiropractor
- Physician Assistant
- Nurse
- Physical Therapist
- Occupational Therapist
- Forensic Biologist
- Environmental Health
- Public Health
- Radiologist

Molecular/Cellular
- Animal Behavior
- Botany
- Entomology
- Ornithology
- Parasitology
- Physiology

Organismal Biology
- Bioinformatics
- Biotechnology
- Forensic Sciences
- Genetics
- Microbiology
- Neuroscience
- Quality Control Specialist
Field Biology

- Biological Systematics
- Ecology
- Wild-Life Biology
- Oceanography, Marine Science & Marine Biology
- Systematic and Evolutionary Biology
- Zoological Park and Aquarium

Education/Teaching

Agriculture & Food

- Patent Specialist
- Law
- Biology Illustrator
- Biology Photographer

Other Occupations

Industry

PROGRAM OFFERINGS

Department of Biological and Environmental Sciences

**B.S. Biology** track options in Pre-Medicine, Pre-Nursing, Environmental Health, Medical Technology, Zoology and Botany;

**B.S. Biology Pre-Professional Health Program** option (Accelerated Program)
Minor in Environmental Health Science

**B.S. Plant Science** with concentrations in Molecular Biology, Crop Science, and Horticulture

**B.S. Forestry** with concentrations in Forest Science and Forest Management
Minor in Wildlife Biology and Fisheries

**B.S. Environmental Science** with concentrations in Soil Science, Environmental Science, Environmental Health and Plant Science
Minor in Remote Sensing and Geographical Information Systems
**M.S. in Biology** (thesis and non-thesis options); Biology/Education
Concentration areas: Microbiology, Physiology, Genetics & Molecular Biology, Ecology & Systematics, and Entomology

**M.S. – Plant and Soil Science**

**Ph.D. – Plant and Soil Science**

**Both offer Concentrations in:**
Environmental, Soil Science and Hydrology/Water Science, application of Remote Sensing and GIS to land management, soil chemistry and fertility, soil microbiology and biochemistry, and soil and water conservation.

Plant Science & Molecular Genetics with specialization in plant physiology, plant genetics, genomics, medicinal and bioenergy plant research, horticulture and agronomy.

Forestry, Ecology and Wildlife biology and management, related research includes silviculture, forest management, wildlife, forest operations, forest measurements, entomology, landscape ecology, forest policy, and forest soils.
## BES Career Options

<table>
<thead>
<tr>
<th>Position</th>
<th>Second Position</th>
<th>Third Position</th>
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<tbody>
<tr>
<td>Air Quality Engineer</td>
<td>Biostatistician</td>
<td>Chemist</td>
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<tr>
<td>Community Relations Manager</td>
<td>Contract Administrator</td>
<td>Ecologist</td>
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<td>Environmental Affairs Manager</td>
<td>Environmental Educator</td>
<td>Environmental Engineer</td>
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<td>Environmental Impact Analyst</td>
<td>Environmental Lawyer</td>
<td>Environmental Manager</td>
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<td>Environmental Protection Specialist</td>
<td>Fund Raiser</td>
<td>Grass Roots Coordinator</td>
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<td>Hazardous Materials Specialist</td>
<td>Hydro-Geologist</td>
<td>Industrial Hygienist</td>
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<td>Lobbyist</td>
<td>Natural Resources Manager</td>
<td>Naturalist</td>
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<td>Physician</td>
<td>Planner</td>
<td>Photojournalist</td>
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<td>Public Health Educator</td>
<td>Public Health Inspector</td>
<td>Publisher</td>
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<td>Research Assistant</td>
<td>Risk Manager</td>
<td>Safety Engineer</td>
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<td>Science Librarian</td>
<td>Soil Scientist</td>
<td>Technical Sales Representative</td>
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<tr>
<td>Technical Writer</td>
<td>Toxicologist</td>
<td>Water Quality Specialist</td>
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<td>Government Agencies offering BES Careers</td>
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<tr>
<td>Bureau of Land Management</td>
<td>Occupational Safety and Health Administration</td>
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<td>Bureau of Reclamation</td>
<td>Peace Corps</td>
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<tr>
<td>Food and Drug Administration</td>
<td>Public Health Service</td>
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<tr>
<td>Department of Commerce</td>
<td>U.S. Department of Agriculture</td>
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<tr>
<td>U.S. Forest Service</td>
<td>Natural Resources and Conservation Service</td>
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<tr>
<td>National Science Foundation</td>
<td>U.S. Environmental Protection Agency</td>
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<tr>
<td>NJ Department of Environmental Protection</td>
<td>U.S. Fish and Wildlife Service</td>
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Career Options for Majors within Community and Regional Planning

Bachelor of Urban Planning
- Community Planner
- Neighborhood Planner
- Assistant Project Manager
- Assistant or Associate Planner
- Junior Planner
- Assistant Urban Forester
- Project Planner
- Management Specialist
- Urban Analyst
- Program Coordinator
- Quality Control Specialist
- Data Control Specialist
- Recreation Specialist
- Demographic Specialist
- GIS Technician
- Real Estate Specialist

Masters in Urban & Regional Planning
- Assistant City Manager
- Planning Director
- Assistant Planning Director
- Housing and/or Community Development Director
- Principal Planner
- Zoning Administrator
- Economic Development Planner
- Housing and/or Real Estate Developer
- Planner II
- Land Use Planner
- Environmental Planner
- Transportation Planner
- Community Relationship Manager
- Spatial Analyst or Site Planner
- Urban Designer

PROGRAM OFFERINGS

Department of Community and Regional Planning

B.S.U.P. – Bachelor of Science in Urban Planning
M.U.R.P. – Master of Urban and Regional Planning

Four (4) Areas of Specialization:
- Environmental Planning
- Transportation Planning
- Housing and Community Development
- International Planning and Development
Career Options for Majors within the Family and Consumer Sciences

Nutrition and Hospitality Management

Career Opportunities:
- Inpatient/Outpatient Dietitian
- Clinical Dietitian/Nutrition Manager
- Community/Industry Nutritionist
- Extension Specialist/Agent in Human Nutrition, Diet, and Health
- University Professor/Teacher of Nutrition
- Hotel/Motel Manager
- Executive Chef
- Caterer
- School Cafeteria Supervisor
- Restaurant Manager/Food Service Management
- University Professor/Teacher of Hospitality Management
- Public Policy Management
- Researcher

Apparel, Merchandising & Design

- Department Manager
- Fashion Representative
- Store Manager
- Fashion Illustrator
- Assistant Buyer
- Pattern Maker
- Merchandising Manager
- Industry Consultant
- Fashion Designer
- Lay-out Artist
- Sample Maker
- Textile Technician
- Interior Designer
- Fashion Coordinator
- Consumer Service Representative
- Educational Consultant
- Extension Agent-Clothing

Human Development & Family Studies

- Activity Director
- Child Development Specialist
- Director of Youth Organization
- Education Program Consultant
- Extension Home Specialist
- Family Life Educator
- Infant and Preschool Teacher
- Teacher of Family and Consumer Sciences (A Certification)
- Child Advocate
B.S. – Family and Consumer Sciences

Concentrations - Apparel, Merchandising and Design/Fashion Design; Apparel, Merchandising and Design/Fashion Merchandising


Concentrations - Nutrition and Hospitality Management/General Dietetics; Nutrition and Hospitality Management/Hospitality Management

B.S. – Family and Consumer Sciences Education
(Offered in conjunction with the College of Education)

M.S. – Family and Consumer Sciences
Three (3) Areas of Concentration:
• Apparel, Merchandising and Design
• Human Development and Family Studies
• Nutrition and Hospitality Management

M.S. – Family and Consumer Sciences Education
(Offered in conjunction with the College of Education)
Career Options for Majors within the **Food and Animal Sciences**

**Emphasis Areas (Food Science)**
- Food Chemistry
- Food Engineering
- Food Microbiology
- Nutritional/Food Biochemistry
- Food/Nutritional Toxicology
- Food Laws and Regulations
- Food Biotechnology
- Sensory Evaluation
- Meat and Muscle Biology

**Employment Areas**
- Food Processing
- Academia
- Self-employment/Consultant
- Government
- Non-government organizations
- Food Service
- Testing Laboratory
- Ingredient manufacturing/supplying
- Processing equipment
- Packaging materials/providing services related to institutional feeding

**Industry Options and Partnerships**
- Kellogg's Food Company
- General Mills
- Nestle
- Cargill
- Kraft
- Publix
- Uniliver
- Coca-Cola
- Pepsico/Frito-Lay
- Heinz
- Dannon
- Mars
- Tyson
- Quaker Oats
- Kemin Foods
- Keystone Foods
- Wayne Farms
PROGRAM OFFERINGS

Department of Food and Animal Sciences

B.S. – Food Science
    minors - Chemistry, Business, Nutrition
    concentration - Animal Science

M.S. – Food Science
Ph.D. – Food Science

Career Options for the Military Sciences

The Army ROTC scholarship program provides financial assistance for the education and training of highly qualified and motivated young men and women who desire to be commissioned in the Army after graduation from college.

Whether you're a college-bound high school student, a currently serving soldier desiring to be an officer or a college student, The Army ROTC has scholarships available for YOU! Scholarships are awarded based not on one's financial need but on merit and your academic grades. The ROTC program features full-tuition scholarships that include additional allowance pay for books and fees, as well as a monthly stipend!

The ROTC program is an elective curriculum taken with your other required college classes.

• It prepares you to succeed in college and in life, with great leadership training.

• Army ROTC can pay you monthly spending cash (up to $5,000 a year for seniors) and our scholarship can fully fund your college tuition, room & board, and books ($1,200 per year), too.
• When you graduate, you will be commissioned as a 2nd Lieutenant in the United States Army with potential to become a successful and highly competitive corporate leader.

• Graduates who choose to accept a job offer as a commissioned officer will embark on specialized training in an exciting Army branch.

• Nursing students are afforded the opportunity to pursue a career in the Army Nurse Corps with all the benefits of such a prestigious profession.

ELIGIBILITY REQUIREMENTS
Department of Military Sciences (Army ROTC Scholarship)

• US citizen
• At least 17 years of age and no more than 31 years of age
• High school graduate (or equivalent certificate)
• High school GPA of 2.5 or better
• Receive 920 SAT score or 19 ACT composite score
• Ability to meet Army Physical Fitness Test standards & meet height/weight standards prior to accepting an ROTC contract for commission

For More Information - Call 256.372.5783