Virginia Tech

Employment Opportunity Bulletin

This bulletin is published by the Virginia Tech Human Resources Department. To apply for any of the available positions listed in this bulletin please visit:

http://jobs.vt.edu

For additional information about the university please visit the links below:

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http://www.hr.vt.edu/employment/dualcareer/

Diversity website:
http://www.vt.edu/diversity/

Benefits online:
http://www.hr.vt.edu/benefits

Office of equal opportunity:
http://www.oeo.vt.edu/

Virginia Tech has a strong commitment to the principles of diversity, inclusion, and to maintaining a work and learning environment that is free of all forms of discrimination. As a result this institution does not tolerate discrimination or harassment on the basis of age, color, disability, gender, national origin, political affiliation, race, religion, sexual orientation, or veteran status. Anyone having questions concerning discrimination should contact the Office of Equal Opportunity: (540) 231-7500.
Founded in 1872 as a land-grant college named Virginia Agricultural and Mechanical College, Virginia Tech is now a comprehensive, innovative research university with the largest full-time student population in Virginia, more than 100 campus buildings, a 2,600-acre main campus, and a 1,700-acre agriculture research farm. Through a combination of its three missions of instruction, research, and public service, Virginia Tech continually strives to accomplish the charge of its motto: Ut Prosim (That I May Serve).

Virginia Tech Core Values
-Freedom of Inquiry
-Mutual Respect
-Lifelong Learning
-A Commitment to Diverse and Inclusive Communities
-Ut Prosim (That I May Serve)
-Personal and Institutional Integrity
-A Culture of Continuous Improvement

Invent the Future™ with Virginia Tech
Virginia Tech has an outstanding record of growth and stability and offers a wide variety of exciting and challenging employment opportunities. We are an inclusive community with a vibrant arts scene, state of the art conference facilities, world class faculty, highly motivated students and staff, nationally competitive athletics, premier economic development programs, award-winning on-campus dining programs, and a nationally recognized public transit system. Employees enjoy a competitive benefits package and institutional policies that emphasize work/life balance. With a record of innovative research and academic excellence, Virginia Tech consistently ranks among the top national public universities.

The main campus is located in Blacksburg, a vigorous stimulating community nestled on a plateau between the Blue Ridge and Allegheny mountains. Because of the town’s award-winning services, reasonable cost of living, safety, moderate climate, and abundant leisure activities, Blacksburg is consistently ranked among the country’s best places to live and has a nationwide reputation as a well-managed, stable, and forward-looking community.

Please consider joining our community of diverse and talented employees as we Invent the Future™.
Employee Category: Instructional/Research Faculty

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<tr>
<td>Instructor</td>
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**Department Review Date:** 06-27-2012

**Position Responsibilities:**
Applicants are sought for a one-year instructor position in agribusiness finance and management for the academic year 2012-2013. Primary responsibilities include teaching courses such as agribusiness finance, personal finance, agribusiness management, coops, and entrepreneurship. Opportunities for research or outreach activities are available depending on the abilities and goals of the successful candidate. The position is available August 2012. Salary will be commensurate with qualifications.

Lecturer Prof CY

**Department Review Date:** 06-20-2012

**Position Responsibilities:**
Serves as departmental NMR expert.
Acquires solution & solid NMR data and aids researchers in interpretation of NMR results.
Trains users to conduct NMR experiments.
Monitors and maintains departmental NMR equipment.
Directs efforts to develop the structural biology area.
Participates in the development of research proposals.

Assistant/Associate/Full Professor of Diversity Management

**Department Review Date:** 08-06-2012

**Position Responsibilities:**
Duties will include conducting research and publishing in scholarly journals, teaching graduate and undergraduate classes, conducting scholarly activities and providing administrative services to the department, college, and university as well as professional services to appropriate national organizations. The Pamplin College of Business and the Department of Management at Virginia Tech have a long history and commitment to diversity. As director of the Business Diversity Center (housed within the department), the successful candidate would be expected to provide leadership to our scholarly initiatives in diversity-related areas. The rank is open, and the candidate's program of scholarly research and accomplishments should be consistent with the rank applied for.

Apply Online: [http://jobs.vt.edu](http://jobs.vt.edu)
Employee Category: Instructional/Research Faculty

Working Title

Director of the School of Education and Associate Dean for Professional Ed

Posting Number: 0121932

Department Review Date: 10-01-2012

Position Responsibilities:
The Associate Dean for Professional Education and Director of the School of Education (SOE) reports to the Dean of the College of Liberal Arts and Human Sciences (CLAHS). This individual serves as a member of the Dean’s Leadership Team and as a member of the College’s Administrative Council. In addition to the following responsibilities, the Associate Dean / Director represents the College at meetings, events, and conferences as needed and as requested by the Dean.

Associate Dean for Professional Education
- Serves the CLAHS as primary liaison and advocate for PK-12 education and School of Education programs
- Brokers relationships and partnerships between PK-12 schools and CLAHS departments and faculty
- Brokers partnerships with informal education agencies and CLAHS departments and faculty
- Serves as primary liaison with the Institute for Creative Arts and Technology related to its PK-12 mission
- Interfaces with the Office for Continuing and Professional Education and Center for Organizational and Technological Advancement.
- Serves as government relations liaison for the CLAHS
- Maintains a tenured appointment in the SOE.

Director, School of Education
- Supports and encourages efforts toward the mission and goals of the School of Education (SOE), the College of Liberal Arts and Human Sciences (CLAHS), and Virginia Tech
- Serves as an advocate for the SOE to the Dean of CLAHS and other constituents
- Provides overall leadership for the school
- Manages SOE budget and facilities
- Based on the recommendation of associate directors and chairs, allocates personnel and funds to offices and departments, including faculty, graduate assistant, staff, and adjunct appointments
- Manages the search process for new faculty and negotiates hiring contracts
- Coordinates course timetable with faculty and departments
- Coordinates with the College and University Development offices, including fund raising and alumni affairs
- Serves as primary contact for public relations to promote the SOE within and outside the University
- Provides leadership for SOE planning, policy development and implementation
- Evaluates associate directors and department chairs within the SOE
- Conducts faculty evaluations in collaboration with department chairs and makes final recommendations to the Dean on merit salary increases and top performers
- Determines reappointments for pre-tenured and clinical faculty with the assistance of the department chairs and Promotion and Tenure (P&T) committees
- Recommends candidates for promotion and tenure at the first level (with assistance of department chairs and faculty committees)
- Maintains accreditation in collaboration with the Associate Director for Academic Programs
- Serves as chief liaison for partnerships within and beyond the university
- Acts as supervisor for staff members in the administrative office and final reviewer for the other SOE staff members in staff evaluations
- Maintains a personal research and writing agenda, publishes research results in refereed journals, presents papers at conferences, and seeks funding to support personal and SOE research/outreach efforts
- Teaches one course or equivalent per calendar year.

Apply Online: http://jobs.vt.edu
Employee Category: Instructional/Research Faculty

Activity Director

Position Responsibilities:
Supervision of planning and implementation of appropriate activities to assure the needs of participants and families are being met:
- Assess the activity needs of each Adult Day Services participant and participate in the development of comprehensive and individualized plans of care as a member of the interdisciplinary team.
- Evaluate participants’ responses to the activity program and make changes in the plans of care with the team members in a timely fashion.
- Assure an appropriate mix of social, recreational, and therapeutic activities, including intergenerational opportunities are provided weekly to center participants.
- Supervision and training for service delivery at ADS and community:
  - Train staff, students, and other long-term care professionals how to implement protocols developed through research or experienced service delivery to frail older adults.
  - Guest lecture and conduct classroom and community-based trainings on recreational and therapeutic activities for frail older adults.
- Assist Director of ADS in supervision of students at ADS; schedule and supervise volunteers, including Service Learning, Field Study and other students, for activity assignments.
- Disseminate research-based protocols via conferences and trainings for professional practitioners in the field of long term care for older adults.
- Research and development of standards:
  - Plan and implement specialized small group activities that test and add to the domain of knowledge in service delivery.
  - Design, plan and implement research relevant to therapeutic activities for frail older adults.
- Assist ADS Director of Research in design and implementation of research opportunities in ADS.
- Interface with research faculty and students in the planning and implementation of research programs, both in the Department of Human Development and faculty in other VT departments as well as other academic institutions.
- Operation and administration of Adult Day Services center:
  - Assist in delivering direct care services to participants at ADS as needed.
  - Serve as Director designee in the absence of the Director and Health Coordinator for purposes of interface with outside contacts and supervision of staff and students.
  - Manage in a team environment

Assistant/Associate/Full Professor of Practice

Position Responsibilities:
The Department of Building Construction seeks experienced practitioners for a position of Professor of Practice at the level of Assistant, Associate or Full Professor in an ACCE accredited construction program.

Teach the undergraduate program to students in accordance with the University mission the academic pedagogy, skills and values of the profession; support students and student organizations including participation in career consulting, overseeing internships and project experiences; continuing education of practitioners in the field; consulting and delivery of outreach programs; and the possibility of new course development. Collaborate with faculty and students in Building Construction, MLSoC and other disciplines. Assistant/Associate/Full Professor of practice faculty members are expected to interact with industry professionals and maintain their professional networks in ways that contribute to their teaching and other assignments including serving in technical and professional societies and associations, and similar activities.

Non-tenure track, 12-month full-time position. The initial appointment is for one year with a probable three year term and the possibility of extension. This position is not intended for tenure transfer but advancement in rank is achievable. This position will teach courses during the summer in addition to 2-3 courses per academic semester.
Asst Professor in Political Science (Environmental Politics/Policy/Ethics)

**Position Responsibilities:**
The Department of Political Science invites applications for a tenure-track position of assistant professor in North American, Anglo-American, or advanced industrialized government and politics with strengths in environmental politics, policy, and ethics; additional specializations in sustainability and urban development or climate change adaptation and social resilience with respect to their regulatory, legal, institutional, or economic impact also are of interest. Pending final budgetary approval, this position will begin August 10, 2013.

**Assistant/Associate Professor, Civil & Environmental Engineering**

**Position Responsibilities:**
A successful candidate for this position will have an academic background in the area of Environmental and Water Resources Engineering and would ideally possess core strength in biological treatment and environmental biotechnology, while also demonstrating success in translating these skills to addressing key issues in water sustainability. Responsibilities and expectations will vary somewhat based on level of appointment. The position is anticipated to be filled at the Assistant Professor rank, however Associate Professor level appointments may be considered for outstanding candidates.

Primary responsibilities include:
- Teaching undergraduate and graduate coursework
- Establishment and/or continued development of a nationally or internationally recognized research program
- Participation in departmental, college, and university committees
- Advising and mentoring students at both the undergraduate and graduate level
- Participation in outreach activities, such as continuing education workshops
- Obtaining sponsored funding in support of research program

Please see [http://www.cee.vt.edu](http://www.cee.vt.edu) for a complete description of position responsibilities and the department.

*Open (or Multi) Rank Instructional Faculty Position*

**Position Responsibilities:**
The Department of Engineering Science and Mechanics (ESM) at Virginia Tech seeks to fill a tenure-track or tenured faculty position in the general area of complex systems with an emphasis on dynamics and/or dynamical systems. Appointment at the rank of Assistant, Associate or Full Professor is possible. Successful candidates will be expected to develop a strong research program and contribute to the educational mission of the department at both the graduate and undergraduate levels.

Primary responsibilities include:
- Developing and maintaining a nationally and internationally recognized research program in the area of dynamics/dynamical systems
- Publishing in peer reviewed journals and conference proceedings
- Obtaining sponsored funding in support of research programs
- Teaching undergraduate and graduate coursework in Engineering Science and Mechanics
- Advising and mentoring undergraduate and graduate students
- Participating in departmental, college, and university committees
- Collaborating in research projects with other faculty from ESM, as well as with faculty from other departments within the College of Engineering, the university and the scientific community
- Serving the profession through involvement in relevant professional societies

Apply Online: [http://jobs.vt.edu](http://jobs.vt.edu)
### Employee Category: Instructional/Research Faculty

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**Position Responsibilities:**
A successful candidate for this position will have an academic background in the general area of water resources engineering or geotechnical engineering. The specific thrust area will be a unique interdisciplinary focus on the nexus between coastal hazards stemming from sea rise and storm water issues with associated geotechnical engineering issues. Responsibilities and expectations will vary somewhat based on level of appointment. The position is anticipated to be filled at the rank of Assistant Professor, however Associate Professor level appointments may be considered for outstanding candidates.

Primary responsibilities include:
- Teaching undergraduate and graduate coursework
- Establishment and/or continued development of a nationally or internationally recognized research program
- Participation in departmental, college, and university committees
- Advising and mentoring students at both the undergraduate and graduate level
- Participation in outreach activities, such as continuing education workshops
- Obtaining sponsored funding in support of research program

Please see [http://www.cee.vt.edu](http://www.cee.vt.edu) for a complete description of position responsibilities and the department.

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### Assistant Professor

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**Position Responsibilities:**
The Department of Agricultural and Applied Economics invites applications for two (2) tenure-track positions at the Assistant Professor level with specializations in agricultural finance, agribusiness marketing, agribusiness management, industrial organization, and/or financial planning. One position will be 50% teaching/50% research and the other position will be 50% teaching/50% extension. These will be 9-month, academic-year appointments with expectations for funding summer activities through external grants, fee-based workshops or other mechanisms.

**Teaching Appointment:** The successful candidate will teach in the department's undergraduate programs in agribusiness and financial planning. The individual will also teach graduate courses, and advise undergraduate and graduate students.

**Extension Appointment:** The successful candidate will deliver a nationally recognized and externally funded education program targeted to firms, industry groups and government agencies located in Virginia and the mid-Atlantic area. The individual will deliver extension programs that have direct impacts to clientele groups and are based on scholarship that includes peer-reviewed extension publications and journal articles.

**Research Appointment:** The successful candidate will develop a nationally recognized and externally funded research program that focuses on issues of importance to firms and industry groups in Virginia and the mid-Atlantic area, and state and federal agencies. The individual will participate in outreach to make research results accessible to decision makers.

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### Assistant Professor of Professional Writing: Visual Rhetoric and Design

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**Position Responsibilities:**
Responsibilities include on-going publication commensurate with a research faculty position; teaching undergraduate and graduate courses in professional writing and rhetoric; serving on departmental, college, and university committees; and advising students. Teaching load 2/2. For more information, see [www.english.vt.edu/RW-job-search](http://www.english.vt.edu/RW-job-search).
Employee Category: Instructional/Research Faculty

Assistant Professor; Secure, Dependable Software; Electrical & Computer Eng

Posting Number: 0122283

Department Review Date: 12-01-2012

Position Responsibilities:
The Bradley Department of Electrical and Computer Engineering at Virginia Tech seeks applications for a tenure-track assistant professor position in computer engineering with emphasis in secure and dependable software, especially for embedded systems, mobile systems, and/or critical applications. Applicants should have expertise in one or more of the following areas: formal models for robust software development including program analysis, trusted software synthesis, and software verification/validation; compile-time software instrumentation, debugging, and analysis; and/or hardware-enabled secure system and software development such as hardware roots of trust and trusted virtualization. This position is based at Virginia Tech’s main Blacksburg, Virginia campus.

A goal of this position is to leverage existing strengths within the College of Engineering to enable the department to more fully respond to the challenges and opportunities presented by cybersecurity threats facing federal and state governments, private industry, and individuals in the community at large. The successful candidate will be expected to develop a vigorous research program in his or her areas of expertise and to work with existing Virginia Tech ECE faculty with expertise covering embedded systems and software, hardware security, reconfigurable computing and security, network security, communication security, design automation, formal methods, and system building.

The successful candidate will be expected to develop and maintain a nationally-recognized funded research program, teach undergraduate and graduate courses, and participate in department, college, and/or university service and outreach activities. Additionally, the successful candidate will have the opportunity to work as part of the Hume Center for National Security and Technology at Virginia Tech, which is active in cybersecurity research supporting federal defense and intelligence sponsors. More broadly, the successful candidate should contribute to Virginia Tech’s growing strength and leadership in cybersecurity research, education, and outreach. For more information on cybersecurity education and research at Virginia Tech, see www.cyber.vt.edu.

Apply Online: http://jobs.vt.edu

Monday, October 15, 2012
**Employee Category:** Instructional/Research Faculty

**Working Title:** Assistant Professor

**Posting Number:** 0122273

**Department Review Date:** 11-15-2012

**Position Responsibilities:**

**General Description:**
- Nine month; Tenure track; [70% Extension and 30% Research]
- Earned Ph.D. in Dairy or Animal Sciences
- Assistant Professor
- Competitive Salary; Start Up Funds Available

Expected Candidate Attributes:
The successful candidate will have expertise in dairy management with strong quantitative skills that can be applied to a variety of discipline areas. This individual will be responsible for the development and coordination of large field demonstrations and trials, applied research, and development of educational materials related to dairy herd and dairy cattle management. They are expected to direct and mentor graduate students and provide educational opportunities both formally and informally. The successful candidate will have the analytical, organizational, and cooperative skills to produce, manage, and analyze large complex data sets. Area(s) of focus might include financial management, nutrient management/air and water quality, feed management or other areas complementary to current departmental and college expertise. Collaboration with other faculty in the department, college and university and other universities is expected. The department has a strong funded track record for this type of successful collaborative research.

The candidate is expected to seek external funding to support his/her research and Extension programs and improve departmental funding and scholarship competitiveness and efficiency by providing links to the field that are requisite to successfully address challenges faced by the dairy industry. The inclusion of financial management skills/experience in this position will provide critically needed expertise that is "core" to success of dairy businesses and training of dairy science undergraduates. This individual would interface with research faculty, area dairy agents and specialists in other departments with expertise in business management and financial institutions. It is anticipated that the successful candidate would provide selective teaching skills to address core competencies for our undergraduate students.

**Position Responsibilities:**

**Department Review Date:** 12-01-2012

**Position Responsibilities:**

The Bradley Department of Electrical and Computer Engineering at Virginia Tech seeks applicants for a tenured or tenure-track faculty position in wireless communications and networking. The position is open for Assistant, Associate, or Full Professor candidates, with named professorship opportunities possible for truly exceptional applicants.

The successful candidate will join Wireless@Virginia Tech (Wireless@VT), an interdisciplinary research team consisting of faculty and students in electrical and computer engineering, computer science, and mechanical engineering. The successful candidate will have the opportunity to engage with the Center's industrial partners, as well as faculty from partner universities. A successful candidate at the associate or full professor level will have the opportunity and expectation to be an active participant in the Center's leadership and management. Wireless@VT is a world leader in wireless research and education with a broad spectrum of research encompassing wireless communications and networking, including RF circuits, information assurance, signal processing and algorithm development, networking, antennas and propagation, communications theory, and modem hardware design. The center is especially known for its work in cognitive radio and advanced spectrum access technologies, and has a research program in wireless communications that dates back to the 1960s. Research areas of interest for this position include, but are not limited to, any of the wireless communications and networking research areas specified above.

The successful candidate is expected to contribute to the broader research and educational mission of the ECE Department. The successful candidate will be expected to develop and maintain a vigorous, nationally recognized funded research program, teach undergraduate and graduate courses, and participate in department, college, and/or university service and outreach activities.

**Apply Online:** [http://jobs.vt.edu](http://jobs.vt.edu)

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### Employee Category: Instructional/Research Faculty

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**Position Responsibilities:**

The Department of Foreign Languages and Literatures at Virginia Polytechnic Institute and State University (Virginia Tech) invites applications for a tenured or tenure-track position in Arabic to begin August 2013. Teaching load 2-2.

**Department Review Date:** 10-31-2012

### Assistant Professor

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**Position Responsibilities:**

The Department of Agricultural and Extension Education is seeking an assistant professor in agricultural education. This is a 9-month, tenure track position with a 60% teaching appointment and a 40% research appointment. In addition to contributing to the agricultural teacher education program at Virginia Tech, this person will be a team member in agricultural education broadly defined to include teaching and learning, leadership, and community viability.

**Department Review Date:** 10-10-2012

Contribute to agricultural teacher education programs at Virginia Tech.

Develop a systematic program of research that is nationally recognized and externally funded.

Teach graduate and undergraduate courses in agricultural education.

Advise and mentor undergraduate and graduate students.

### Assistant Professor, Public Relations

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**Position Responsibilities:**

The Department of Communication at Virginia Tech invites applications for a tenure track assistant professor with teaching and research expertise in Public Relations. Ideal candidates will have the ability to teach undergraduate courses from among campaign communication (including health, political, and corporate contexts), principles of PR, PR cases, PR writing, issue management, and organizational communication. Research interests should reflect issues and concerns in the theory and practice of PR. Candidates should be prepared to contribute to curriculum development emphasizing cross-disciplinary integration of social media and new technologies. Teaching expectations are two courses per semester.

**Department Review Date:** 10-15-2012

Apply Online: [http://jobs.vt.edu](http://jobs.vt.edu)
**Employee Category:** Instructional/Research Faculty

**Working Title**

*Open (or Multi) Rank Instructional Faculty Position*

**Posting Number:** 0122330

**Position Responsibilities:**

**Position Summary**
The College of Science at Virginia Tech, in support of the university's strategic plan, is expanding its research presence in: Energy and the Environment, Infectious Diseases, Nanoscience, Neuroscience, and Visualization & Pattern Recognition, through interdisciplinary faculty hires across departments. As part of this initiative, the Department of Statistics invites applications for a tenure-track position in Computational Statistics. Candidates should possess expertise in one or more of the following specializations: data mining, data visualization, spatial statistics, machine learning, image analysis, neuroscience, or related areas. Appointments at the assistant professor level are preferred but exceptional senior candidates will be considered.

Responsibilities
The person appointed will have the following responsibilities:

* Develop and maintain a distinguished and interdisciplinary research program, including the continuing development of her/his own scholarly activities and professional capabilities;

* Active and effective participation in undergraduate and graduate instruction and student advising;

* Active and effective participation in department and university administrative governance; and,

* Adherence to the responsibilities of the general faculty as described by the faculty handbook (http://www.provost.vt.edu).

**Position Responsibilities:**

**Department Review Date:** 12-01-2012

**Associate/Full Professor, Bioprocess Engineering**

**Posting Number:** 0122327

**Position Responsibilities:**

The Department of Biological Systems Engineering (BSE) at Virginia Tech invites applications for a faculty position in bioprocess engineering. The department provides a dynamic and rapidly expanding environment that includes faculty members conducting cutting edge research in Bioprocess Engineering and Land and Water Resources Engineering. The position will be an academic year appointment with responsibilities for teaching across the instructional program in the department, as well as for developing specialized courses and a strong research and scholarship portfolio.

The successful candidate's research portfolio will complement the existing research strengths of the department, which include bioenergy, biopharmaceuticals, renewable biomaterials, metabolic engineering, food engineering, animal waste and agricultural residue utilization, and synthetic biology. Candidates with demonstrated success in federal grant funded research in all areas, including thermochemical conversion of biomass, will receive the strongest consideration. Rank and tenure will be offered commensurate with the scholarly record of the candidate selected. The successful candidate will be considered for a Turner Faculty Fellowship.

A new state-of-the-art research facility will provide a collaborative laboratory environment for BSE faculty. The new facility includes a pilot-scale laboratory and construction is on schedule to be completed in 2013. The BSE department is affiliated with two nationally ranked colleges: the College of Engineering and the College of Agriculture and Life Sciences. The department has established close collaborations with several university institutes and centers of excellence such as the Virginia Bioinformatics Institute, Fralin Life Science Institute, and the Institute for Critical Technology and Applied Science.

Responsibilities

* Develop and maintain a productive, internationally recognized research program through extramural funding, integrating previous work into the department's teaching, research and outreach portfolio.

* Develop and teach graduate courses in bioprocess engineering or other biological systems engineering areas.

* Advise and mentor undergraduate and graduate students, as well as postdoctoral fellows.

* Participate in department, college, university, and professional service and outreach activities.

* Demonstrate a commitment and sensitivity to issues of diversity in the campus community.

* Adhere to the responsibilities of the faculty as described by the Faculty Handbook.

**Apply Online:** [http://jobs.vt.edu](http://jobs.vt.edu)
The College of Science at Virginia Tech, in support of the university’s strategic plan, is expanding its research presence in: Drug Discovery, Energy and the Environment, Infectious Diseases, Nanoscience, Neuroscience, and Visualization & Pattern Recognition through interdisciplinary faculty hires across departments. As part of this initiative, the Department of Chemistry invites applications for a tenure-track Assistant Professor position in the area of Organic Chemistry with a preference for candidates with research interests in the design, synthesis, and evaluation of biologically active drug-like molecules or the discovery of biologically active naturally occurring compounds. Applications from candidates who can interact synergistically with members of the Virginia Tech Center for Drug Discovery (http://www.fralin.vt.edu/virginia-tech-center-drug-discovery/vtcdd-home) are particularly welcome. Candidates with research interests that support the College of Science initiatives in the areas of Infectious Disease and Neuroscience are particularly encouraged to apply.

Responsibilities
The person appointed will have the following responsibilities:
- the development and maintenance of a distinguished and interdisciplinary research program;
- the continuing development of her/his own scholarly activities and professional capabilities;
- active and effective participation in undergraduate and graduate instruction and student advising;
- active and effective participation in department and university administrative governance; and,
- adherence to the responsibilities of the general faculty as described by the faculty handbook (http://www.provost.vt.edu).

Department Review Date: 10-15-2012

The Department of Small Animal Clinical Sciences of the Virginia-Maryland Regional College of Veterinary Medicine announces a search to fill a full-time, clinical-track faculty position as an Assistant or Associate Professor in Small Animal Internal Medicine at a satellite hospital in Roanoke, Virginia (45 minutes from Blacksburg). The successful candidate will share service and teaching responsibilities with a small animal surgeon. Financial compensation will be a base salary plus a percentage of revenues generated.

- The primary job responsibility will be to provide medical services in the satellite hospital in Roanoke, VA.
- The main veterinary teaching hospital in Blacksburg will provide clinical support for the satellite by means of case transfer, telemedicine and courier for laboratory services.
- There will be opportunities to participate in didactic, laboratory and small group clinical instruction based on the desires and aptitude of the successful candidate.
- There will also be opportunities to participate in clinical research based on the desires and aptitude of the successful candidate.
- Additional service responsibilities include consultations with referring veterinarians and participation in continuing education programs of the College.
- Applicant must be committed to excellence in patient management, client service and clinical teaching.
- Applicant must have excellent communication and interpersonal skills.

Apply Online: http://jobs.vt.edu
Employee Category: Instructional/Research Faculty

Working Title: Assistant or Associate Professor - Clinical Track Surgery

Posting Number: 0122272

Position Responsibilities:
The Department of Small Animal Clinical Sciences of the Virginia-Maryland Regional College of Veterinary Medicine announces a search to fill a full-time, clinical-track faculty position as an Assistant or Associate Professor in Small Animal Surgery at a satellite hospital in Roanoke, Virginia (45 minutes from Blacksburg). The successful candidate will share service and teaching responsibilities with a small animal internist. Financial compensation will be a base salary plus a percentage of revenues generated.

- The primary job responsibility will be providing surgical services in the satellite hospital in Roanoke, VA.

- The main veterinary teaching hospital in Blacksburg will provide clinical support for the satellite by means of case transfer, telemedicine and courier for laboratory services.

- There will be opportunities to participate in didactic, laboratory and small group clinical instruction based on the desires and aptitude of the successful candidate.

- There will also be opportunities to participate in clinical research based on the desires and aptitude of the successful candidate.

- Additional service responsibilities include consultations with referring veterinarians and participation in continuing education programs of the College.

- The applicant must be committed to excellence in patient management, client service and clinical teaching.

- The applicant must have excellent communication and interpersonal skills.

Department Review Date: 09-24-2012

Apply Online: http://jobs.vt.edu
Open Rank Faculty in INFECTIOUS DISEASE, IMMUNITY AND/OR INFLAMMATION

**Position Responsibilities:**

The Virginia Tech Carilion Research Institute (VTCRI) in Roanoke, Virginia (http://research.vtc.vt.edu) is recruiting a faculty member who works in the area of infectious disease, immunity and/or inflammation. The position may be filled at the tenured, tenure track or non-tenure track level as an Assistant, Associate or full Professor, as appropriate. The position is a 12 month appointment with primary emphasis on research. Start-up packages, facilities and support are highly competitive. The successful candidate will interact with the molecular virology, cancer biology, developmental molecular genetics, and neurobiology research teams at the VTCRI as well as with an accomplished group of infectious disease, immunity and inflammation research teams in Biology, Biomedical Engineering and Sciences, and Veterinary Medicine at Virginia Tech. The VTCRI opened in the summer of 2010 and currently has 20 faculty research team leaders in structural biology, molecular and neurobiology, molecular virology, tumor biology and genetics, cardiac and regenerative medicine. The Institute has state-of-the-art facilities in molecular biology, cell culture, optical imaging, high field cryo electron microscopy, magnetic resonance imaging, electrophysiology, computational and high capacity data analysis/storage and a new vivarium, as well as access to patient populations and samples with our colleagues in the infectious disease program at Carilion Clinic.

During this period of major growth of the new institute, we are especially interested in colleagues who enjoy a highly collaborative environment and interacting with investigators from their own, as well as other disciplines including those working at molecular, cellular, systems and computational levels with animal models of human disease and/or humans. Investigators using molecular genetic, structural biology, microbiome and/or computational approaches to study the mechanisms and/or pathogenesis of human disease or animal models of infectious disease, the innate or adaptive immune response and/or inflammatory processes in response to infection are encouraged to apply. The VTCRI is immediately adjacent to the Carilion clinic and hospital and the new VTC School of Medicine where all medical students carry out four year research projects. The Institute has strong collaborative ties with the Virginia Bioinformatics Institute (VBI) and the School of Biomedical Engineering and Sciences (SBES) at Virginia Tech (VT), as well as with the VT Departments of Biological Sciences, Biochemistry, Physics, Psychology and the College of Veterinary Medicine. The research institute and medical school are located in the picturesque Roanoke Valley midway between Washington, DC and Charlotte, NC.
The College of Science at Virginia Tech (http://www.science.vt.edu), in support of the university's strategic plan, is expanding its research presence in Energy and the Environment, Earth Systems, Neuroscience, Infectious Diseases, and Visualization & Pattern Recognition through interdisciplinary faculty hires across departments. As part of this initiative, the Department of Physics has a tenure-track opening in Theoretical Polymer Physics, to start in the Fall of 2013. Areas of interest include, but are not limited to, structure and dynamics of polymers, rheology, complex polymer fluids, polymer-substrate interactions, polymer self-assembly, optoelectronic properties of polymers, biopolymers, and the nano-bio interface. Appointment at the assistant professor level is anticipated but exceptional senior candidates will be considered. Preference will be given to theorists who can expand our existing research efforts. Intensive interactions with Virginia Tech's Macromolecules and Interfaces Institute (http://www.mii.vt.edu) are expected. Current departmental strengths in condensed matter physics include low-dimensional magnetism, strongly correlated systems, quantum transport and optics, complex metal oxides, molecular/organic electronics and optics, and statistical and biological physics.

**RESPONSIBILITIES:**
The person appointed will have the following responsibilities:
− the development and maintenance of a distinguished and interdisciplinary research program;
− the continuing development of her/his own scholarly activities and professional capabilities;
− active and effective participation in undergraduate and graduate instruction and student advising;
− active and effective participation in department and university administrative governance; and,
− adherence to the responsibilities of the general faculty as described by the faculty handbook (http://www.provost.vt.edu).

The Virginia Tech Carilion Research Institute (VTCRI) in Roanoke, Virginia (http://research.vtc.vt.edu) is recruiting a tenure-track/tenured faculty member in cancer biology. The position may be filled at the Assistant, Associate or Full Professor level. Start-up packages, new facilities, and support are highly competitive. The VTCRI opened in the summer of 2010 and currently has 20 faculty research team leaders in structural biology, molecular and cellular neurobiology, molecular virology, tumor biology and genetics, cardiac and regenerative medicine. Current areas of focus in cancer biology include malignant brain tumors and breast cancer. The Institute has state-of-the-art facilities in molecular biology, optical imaging, high field cryo electron microscopy, and magnetic resonance imaging, electrophysiology, computational and high capacity data analysis/storage and a new vivarium with facilities for large scale ventilated racks and specialized procedures. During this period of major growth of the new institute, we are especially interested in colleagues who enjoy a highly collaborative environment and interacting with investigators from their own, as well as other disciplines including those working at molecular, cellular, systems, and computational levels with animal models of human disease and/or humans. Investigators using molecular genetic approaches to develop innovative approaches for identifying biomarkers, novel diagnostics and potential therapeutic targets are encouraged to apply. The VTCRI is immediately adjacent to the Carilion Clinic and hospital and the new VTC School of Medicine where all medical students carry out four year research projects. The Institute has strong collaborative ties with the Virginia Bioinformatics Institute (VBI) and the School of Biomedical Engineering and Sciences (SBES) at Virginia Tech (VT), as well as with the VT Departments of Biological Sciences, Biochemistry, Physics, Psychology and the College of Veterinary Medicine. The Research Institute and Medical School are located in the picturesque Roanoke Valley midway between Washington, DC and Charlotte, NC.

**Apply Online:** http://jobs.vt.edu
Employee Category: Instructional/Research Faculty

Working Title

*Assistant Professor

Posting Number 0122338

Department Review Date: 12-21-2012

Position Responsibilities:
The College of Science at Virginia Tech, in support of the university’s strategic plan, is expanding its research presence in: Energy and the Environment, Infectious Diseases, Nanoscience, Neuroscience, and Visualization & Pattern Recognition through interdisciplinary faculty hires across departments. As part of this initiative, the Department of Geosciences invites applications for a tenure-track position in the area of Energy and the Environment. In particular, we seek a paleobiologist/geobiologist who explores the paleontological record to analyze the co-evolution of the biosphere and its environment in the geological past. Appointment at the assistant professor level is anticipated. Candidates with research interests that support the College of Science initiatives in the areas of Energy and the Environment are particularly encouraged to apply.

Responsibilities:
The person appointed will have the following responsibilities:

- The development and maintenance of a distinguished and interdisciplinary research program;
- The continuing development of her/his own scholarly activities and professional capabilities;
- Active and effective participation in undergraduate and graduate instruction and student advising;
- Active and effective participation in department and university administrative governance; and,
- Adherence to the responsibilities of the general faculty as described by the faculty handbook (http://www.provost.vt.edu).

Assistant Professor, Core Analytic Philosophy

Posting Number 0122356

Department Review Date: 11-16-2012

Position Responsibilities:
- Teaching undergraduate and graduate coursework in philosophy
- Development and maintenance of a nationally or internationally recognized research program in philosophy
- Participation in departmental, college, and university committees
- Advising and mentoring students
- Please see http://phil.vt.edu for a complete description of the department.

Associate Professor of Practice in Management (Non-tenure track)

Posting Number 0122230

Department Review Date: 10-04-2012

Position Responsibilities:
Responsibilities will include the teaching of two courses or two sections of a course in management, including a course on "Applied Business Consulting," each semester; serve as the Director of the Small Business Institute in the Department of Management; serve as a Faculty Advisor for at least one student organization sponsored by the Department of Management; serve on department and college committees as assigned; assist in the effective functioning of the department.

Apply Online: http://jobs.vt.edu
Assistant Professor, Plant Pathologist-Field Crops

Department Review Date: 01-11-2013

Position Responsibilities:
Virginia Tech's College of Agriculture and Life Sciences is inviting applications for a 12-month, tenure-track faculty appointment as an Assistant Professor of Plant Pathology with a programmatic focus on disease management of economically important field crops. The position will be located at the Tidewater Agricultural Research & Extension Center (TAREC) in Suffolk, Virginia. The tenure home will be in the Department of Plant Pathology, Physiology and Weed Science (PPWS) on the main campus in Blacksburg. Suffolk, Virginia is a diverse, growing community with convenient access to metropolitan areas of Norfolk, Virginia Beach and Newport News while being situated in the rural setting of western Tidewater.

Soybean, corn, cotton, peanut, small grains and forages are important food and fiber crops produced throughout the Commonwealth of Virginia. The incumbent will be expected to conduct an innovative and nationally recognized research and Extension program that develops cost-effective, environmentally sustainable strategies to prevent or control diseases of these economically important crops. The position is a split Research (50%) and Extension (50%) appointment. The scientist will be expected to secure extramural funding to support his/her programs and will recruit, support, and mentor graduate students. Scholarship will be demonstrated through publication of peer-reviewed journal papers, Extension publications, websites, and other appropriate media. The incumbent will develop and deliver educational programs to producers, Extension Agents, farm consultants, agribusiness personnel, and government agencies while working cooperatively with other specialists, Extension Agents, and industry groups. Opportunities for collaborative, multidisciplinary work with campus and AREC based faculty are significant and encouraged.

Assistant Professor, Higher Education

Department Review Date: 11-26-2012

Position Responsibilities:
The School of Education is seeking an individual for an Assistant Professor position in Higher Education. This position is a full-time, tenure-track appointment beginning August 10, 2013. The Higher Education program resides in the Department of Educational Leadership and Policy Studies in the School of Education. The position includes teaching and advising students who are seeking an M.A.Ed. or Ph.D. in Higher Education. The successful applicant should have a special interest in developing one or more courses on diversity issues in higher education and may be expected to teach survey courses about organizational and student development theory, and college and university administration among other things. Additional responsibilities include advising students, serving on examining committees, collaborating with other faculty in the department and the School of Education, and developing/maintaining a systematic line of research and scholarship in the field, and developing applications for sponsored research in one's area of interest.

Apply Online: http://jobs.vt.edu
Employee Category: Instructional/Research Faculty

Working Title

Assistant/Associate Professor - Clinical Track Radiologist

Posting Number: 0122397

Department Review Date: 10-22-2012

Position Responsibilities:
The Department of Small Animal Clinical Sciences of the Virginia-Maryland Regional College of Veterinary Medicine announces a search to fill a faculty position in Radiology at the rank of Assistant or Associate Professor. This position will be a Clinical Track, 12-month appointment. The successful candidate will share service and teaching responsibilities with four other faculty radiologists. The position will provide opportunities to participate in interdisciplinary collaborations in translational research programs with others throughout the Department, College and University.

Responsibilities:
- The successful candidate will participate in didactic instruction in diagnostic imaging and clinical instruction of professional students in the Veterinary Teaching Hospital, training of interns, residents and graduate students. The radiology service maintains a four year residency training program with two residents. The successful candidate will share responsibilities associated with resident training.

- Service responsibilities include participation in the clinical radiology service (both large and small). This service includes MRI (1.5 T Philips), CT (Toshiba 16 slice), ultrasound (two Philips IU-22), nuclear imaging (NuCLear MAC and Mirage with motion correction) and digital radiology studies. In addition, the successful candidate will provide consultation to primary care clinicians in the Veterinary Teaching Hospital and referring veterinarians.

- The appointee will participate in continuing education and faculty governance.

Civil War Era History, Associate Professor and Robertson Professorship

Posting Number: 0122396

Department Review Date: 11-07-2012

Position Responsibilities:
The Department of History at Virginia Tech seeks an innovative, publicly engaged historian of the Civil War era to complement its existing strengths in the history of science, technology, health, the environment, cities, race, class, and gender. The successful candidate will be hired at the rank of Associate Professor, with tenure in the department. In addition, he or she will also become the inaugural holder of the James I. Robertson Jr. Professorship in Civil War Studies and, in that capacity, serve as Director of the Virginia Center for Civil War Studies (www.civilwar.vt.edu). The appointment as Robertson Professor and VCCWS Director is for an initial five-year term, which is renewable following departmental review.

Please see http://www.history.vt.edu for a complete description of the position and the department.
Employee Category: Instructional/Research Faculty

Working Title

*Open (or Multi) Rank Instructional Faculty Position

Department Review Date: 11-15-2012

Position Responsibilities:
The College of Science at Virginia Tech, in support of the university’s strategic plan, is expanding its research presence in Energy and the Environment, Infectious Diseases, Nanoscience, Neuroscience, and Visualization & Pattern Recognition and Data Analysis through interdisciplinary faculty hires across departments (for further information, visit www.science.vt.edu under faculty openings). As part of the initiative on data analysis and computational science, the Department of Psychology is seeking outstanding applicants for one full-time, tenure track faculty position in Industrial and Organizational Psychology at the Assistant, Associate or Full Professor level. We seek a candidate who combines a strong quantitative focus with research in one or more areas, including: occupational health, selection and personnel decision making, or team dynamics among other topics. Applicants whose research demonstrates a strong potential for external funding and interdisciplinary connections within the Department and across the University are particularly appealing. The doctoral program in I-O Psychology program develops the ability to carry out problem-focused research that crosses area boundaries and that is of increasing relevance in the social and behavioral sciences.

Responsibilities
The person appointed will have the following responsibilities:

- the development and maintenance of a distinguished research program;
- the continuing development of her/his own scholarly activities and professional capabilities;
- active and effective participation in undergraduate and graduate instruction and student advising;
- active and effective participation in department and university administrative governance; and,

adherence to the responsibilities of the general faculty as described by the faculty handbook (http://www.provost.vt.edu).

Clinical Assistant Professor, Science Education

Department Review Date: 12-01-2012

Position Responsibilities:
This position is a five-year, renewable, non-tenure track, academic year appointment, with a starting date of August 10, 2013. Responsibilities include teaching graduate courses in K-12 science education distance delivery and on-campus programs, advising students in a distance delivery Master's program, and being involved in the professional development of in-service teachers.

Apply Online: http://jobs.vt.edu
Employee Category: Instructional/Research Faculty

Working Title

*Open (or Multi) Rank Instructional Faculty Position 0122390

**Position Responsibilities:**
The College of Science at Virginia Tech, in support of the university’s strategic plan, is expanding its research presence in: Energy and the Environment, Infectious Diseases, Nanoscience, Neuroscience, and Visualization & Pattern Recognition through interdisciplinary faculty hires across departments. As part of this initiative, the Department of Mathematics invites applications for a tenure-track position in the area of Mathematics Education, with a research emphasis on undergraduate learning. Appointments at the assistant professor level are preferred but exceptional senior candidates will be considered. Candidates with research interests that support the College of Science initiatives in the area of STEM Education, including cognitive neuroscience, are particularly encouraged to apply.

Responsibilities
The person appointed will have the following responsibilities:
- the development and maintenance of a distinguished research program with the potential for interdisciplinary impact;
- the continuing development of her/his own scholarly activities, professional capabilities, and service to the profession;
- active and effective participation in undergraduate and graduate instruction and student advising;
- development of curriculum for pre-service teachers and of a graduate curriculum in math education;
- active and effective participation in department and university administrative governance; and
- adherence to the responsibilities of the faculty as described by the faculty handbook (http://www.provost.vt.edu).

Department Head, Electrical & Computer Engineering 0122299

**Position Responsibilities:**
Nominations and applications are being solicited for the position of Head of the Bradley Department of Electrical and Computer Engineering (ECE) at Virginia Tech. The Department Head's principal responsibility is to provide leadership and management of the programs, faculty, staff, and students. This entails leadership of departmental programs and administrative responsibility for planning, fiscal management, human resources, and communication within the department. The successful candidate is expected to:

- Have a clear understanding of the role and mission of the department and a vision for its future direction. This will involve further development of existing strengths, fostering new disciplines in emerging fields within computer and electrical engineering, and strengthening interdisciplinary efforts across the university;
- Have demonstrated leadership and management skills to lead the department to become one of the premier ECE departments in the nation;
- Effectively advocate for the department to the college and university administration, industry, and government;
- Encourage development, creativity, and scholarship among the faculty, staff, and students;
- Lead fund-raising efforts by promotion of sponsored research and cultivating corporate, governmental, alumni, and other private support; and,
- Have the ability to communicate effectively, concisely, and clearly at all levels.

Apply Online: http://jobs.vt.edu

Monday, October 15, 2012
Cybersecurity Associate Professor Position

**Department Review Date:** 12-31-2012

**Position Responsibilities:**
The Department of Computer Science (CS@VT) at Virginia Tech seeks applicants for a tenure-track faculty position in the area of cybersecurity, at the associate professor rank, located on the campus of Virginia Tech in the National Capital Region (NCR). The successful candidate will contribute to the research and graduate programs in the NCR and collaborate with faculty at Virginia Tech's campus in Blacksburg, VA. This position adds to the collaboration in cybersecurity between the Department of Computer Science and the Bradley Department of Electrical and Computer Engineering (ECE). Candidates should have research interests in systems and network security, trustworthy systems, software security, information security and privacy, or other topics relevant to national critical infrastructure. Candidates should have a record appropriate to an associate professor rank in scholarship, leadership, and interdisciplinary collaboration in cybersecurity. Ideal candidates combine cybersecurity with existing departmental strengths. See www.cs.vt.edu/FacultySearch for additional information.

Assistant Professor - Fish and Wildlife Conservation

**Department Review Date:** 12-03-2012

**Position Responsibilities:**
Virginia Tech's Department of Fish and Wildlife Conservation invites applications for an academic-year (9-month), tenure-track position, to be filled at the Assistant Professor level. We seek an individual with strong interest and field experience in applied aspects of fish ecology and fisheries management. Demonstrated expertise and commitment to interdisciplinary research in broad areas of importance to the future of fish and wildlife conservation and management are especially desirable (e.g., effects of climate change, energy development, land and water uses on fisheries and aquatic ecosystems). The candidate's expertise should complement the Department's existing and emerging programs in fish and wildlife population dynamics and management, conservation genetics, marine fisheries, human dimensions, habitat ecology, landscape and community ecology, ecotoxicology, wildlife diseases, and conservation biology.

The incumbent should have sufficient background in field studies and fish ecology and management to be qualified to teach core courses in the fisheries program (fisheries techniques, fisheries management) and will also be expected to teach a graduate course in her/his area of expertise, for an average of 2 courses per year. The incumbent also will advise undergraduate and graduate students and be expected to attract extramural funding to support graduate student research in the area of expertise.

Department of Computer Science- Systems Open Rank Faculty Position

**Department Review Date:** 12-31-2012

**Position Responsibilities:**
The Department of Computer Science at Virginia Tech invites applications at all ranks for tenure-track faculty positions in the systems area. Candidates with research breadth and depth across several areas of computer systems, including architecture, operating systems, and networking are sought and researchers in the areas of compilers, run-time systems, and parallel and distributed systems are especially encouraged to apply. Candidates should have a record of scholarship and collaboration in computing and interdisciplinary areas; demonstrated ability to contribute to teaching at the undergraduate and graduate levels; and sensitivity to issues of diversity in the campus community.

**Apply Online:** [http://jobs.vt.edu](http://jobs.vt.edu)
Employee Category: Instructional/Research Faculty

Working Title

Artificial Intelligence/Machine Learning Faculty Position

Posting Number 0122414

Department Review Date: 12-31-2012

Position Responsibilities:
The Department of Computer Science at Virginia Tech (www.cs.vt.edu) invites applications for a full-time tenure-track position, at the rank of Assistant Professor, from candidates with expertise in artificial intelligence having specific emphasis on machine learning or reasoning under uncertainty. The department is in the process of making multiple hires over multiple years in this area. Candidates should have a record of scholarship, leadership, and collaboration in computing and interdisciplinary areas; demonstrated ability to contribute to teaching at the undergraduate and graduate levels in AI and related subjects; sensitivity to issues of diversity in the campus community; and the skills to establish and grow a multidisciplinary research group.

*Open (or Multi) Rank Instructional Faculty Position

Posting Number 0122431

Department Review Date: 12-01-2012

Position Responsibilities:
Virginia Tech is expanding its presence in emerging interdisciplinary programs in nanoscience, neuroscience, systems biology, and computational science. These new faculty positions signify a continued University commitment to the importance of interdisciplinary science to help solve major societal challenges in energy, the environment, and health. The successful candidates will have the opportunity to participate in the recently launched College of Science Integrated Science Curriculum (www.science.vt.edu/isc) which has the mission of preparing students as leaders in cutting-edge interdisciplinary science and building strong research and educational partnerships across its eight departments: biological sciences, chemistry, economics, geosciences, mathematics, physics, psychology, and statistics.

The College of Science seeks to fill a tenure-track or tenured faculty position. Appointment at the rank of Assistant, Associate or Full Professor is possible. Candidates with an emphasis on interdisciplinary research and teaching for a degree-granting program in neuroscience are particularly encouraged to apply. Applicants are expected to have a PhD degree, MD/PhD, or DVM/PhD degrees. The successful candidate will be expected to establish an internationally recognized research program and be an effective teacher in graduate and undergraduate courses. The candidate will have an opportunity to work closely with other neuroscientists currently at the Virginia Tech Carilion Research Institute (VTCRI). The search is conducted with participation from VTCRI.

We seek a researcher with an outstanding record of achievement in any area of neuroscience, although preference will be given to interdisciplinary candidates who complement existing strengths in the Departments of Biological Sciences (organismal and computational biology) and Psychology (cognitive, clinical, and decision neuroscience; developmental science), as well as the Virginia Tech Carilion Research Institute (computational neuroscience, neuroimaging, brain disorders and trauma, molecular and cellular neurobiology). There is also an opportunity to participate in the establishment of a Neuroscience major and degree program at Virginia Tech.

Responsibilities
The person appointed will have the following responsibilities:

− construct an internationally recognized, vibrant, interdisciplinary research program;
− active and effective participation in undergraduate and graduate instruction and student advising with a focus on interdisciplinary science programs and degrees in alignment with the integrated science curriculum;
− active and effective participation in department and university administrative governance; and,
− adherence to the responsibilities of the general faculty as described by the faculty handbook (http://www.provost.vt.edu).

Apply Online: http://jobs.vt.edu
The Grado Department of Industrial and Systems Engineering (ISE) at Virginia Tech invites applications for a tenure-track position at the Assistant Professor level in the Management Systems Engineering area. Ranked among the top 10 industrial engineering programs in the nation, the department offers B.S., M.S., and Ph.D. degrees in ISE which include M.S. and Ph.D. concentrations in Management Systems Engineering. For more information visit the departmental web site (ise.vt.edu).

Management Systems Engineering is concerned with the design and implementation of complex management systems. Example focus areas include complex socio-technical management systems, enterprise transformation, lean work systems, management decision and learning support systems, organizational and process improvement, performance measurement and business analytics, new product development, and other common engineering management topics. Research application areas may include diverse domains (e.g., manufacturing, healthcare, security, and energy).

The successful applicant will:
- Teach undergraduate and graduate courses in Industrial and Systems Engineering
- Develop or continue to grow a nationally and/or internationally recognized research program in advanced manufacturing systems and technologies
- Take a leading role working with the Commonwealth Center for Advanced Manufacturing
- Obtain sponsored funding in support of research activities
- Advise and mentor graduate and undergraduate students
- Participate in departmental, college, and university committees.
- Participate in outreach activities, such as continuing education workshops

The Department of Engineering Education (EngE) at Virginia Tech invites applications for two faculty positions and welcomes applicants across ranks. Candidates must hold a doctorate in engineering education, engineering, education, or a related field; at least one degree (BS, MS, PhD) in engineering is desirable. Successful candidates will demonstrate a strong commitment to undergraduate and graduate teaching as well as the ability to conduct basic or applied research in engineering education. We welcome applicants with expertise across a wide range of engineering education areas and methods, including design education, curriculum design, the learning sciences, technology in education, learning analytics, and quantitative research methodologies. Candidates with expertise in design education will be considered for a position aligned with the Rolls Royce-Virginia Tech partnership. Experience in industry and/or international engineering education are also desirable.

EngE (www.enge.vt.edu) is home to an outstanding first-year engineering program and a premier PhD program in engineering education. The department has a total of 16 full-time, tenured or tenure-track faculty members and instructors; it serves approximately 1400 first-year engineering students and 25-30 PhD students annually. EngE faculty collaborate nationally and internationally in establishing engineering education as the emerging field of research. Current faculty research areas include engineering design, first-year programming, assessment, communication in engineering, international collaboration (global teams), computer supported learning systems, sustainability, and motivation.

Virginia Tech's College of Engineering (CoE) is internationally recognized for its excellence in 14 engineering disciplines and computer science. As the nation's third largest producer of engineers with baccalaureate degrees, CoE provides undergraduates with an innovative curriculum that provides a hands-on, minds-on approach to engineering education. With more than 50 research centers and numerous laboratories, the college offers its 2,000 graduate students opportunities in advanced fields of study, including biomedical engineering, state-of-the-art microelectronics, and nanotechnology.

Established in 1872 as a land-grant college, Virginia Tech is a comprehensive research university with almost $300 million per year in research, and with more than 26,000 students. The 120-acre VT Corporate Research Center is home to over 100 companies and the Edward Via College of Osteopathic Medicine. Also, Virginia Tech has created a public-private partnership in the form of a new medical school and research institute, the Virginia Tech Carilion School of Medicine and Research Institute.

Virginia Tech has a strong commitment to the principles of diversity, inclusion, and to maintaining a work and learning environment that is free of all forms of discrimination. It is the recipient of a National Science Foundation ADVANCE Institutional Award to increase the participation of women in academic science and engineering careers. Virginia Tech is an Equal Opportunity/ Affirmative Action Institution.

Apply Online: http://jobs.vt.edu
Assistant Professor

**Position Responsibilities:**
The College of Science at Virginia Tech, in support of the university’s strategic plan, is expanding its research presence in Energy and the Environment, Infectious Disease, Nanoscience, Neuroscience, Systems Biology, and Integrated Studies of Earth Systems, and Drug Development through interdisciplinary faculty hires across departments. As part of this initiative, the Department of Biological Sciences invites applications for a tenure-track Assistant Professor position in the area of Plant Cell and Molecular Biology. Candidates are sought who address fundamental questions in plant cell signaling and regulation. The successful applicant should have the potential to develop and maintain an extramurally-funded independent research program, and a commitment to research and teaching excellence. The successful candidate will be affiliated with the Molecular Plant Sciences (MPS) interdepartmental group and graduate program (http://www.molplantsci.org.vt.edu). The Department and the Virginia Tech campus provide excellent research and support facilities for cell biology, genomics, proteomics, metabolomics, and bioinformatics.

Responsibilities
The person appointed will have the following responsibilities:
- the development and maintenance of a distinguished and interdisciplinary research program that is supported by extramural funding;
- the continuing development of her/his own scholarly activities and professional capabilities;
- active and effective participation in undergraduate and graduate instruction and student advising;
- active and effective participation in department and university administrative governance; and,
- adherence to the responsibilities of the general faculty as described by the faculty handbook (http://www.provost.vt.edu).

Assistant Professor

**Position Responsibilities:**
The College of Science at Virginia Tech, in support of the University’s strategic plan, is expanding its research presence in Drug Development, Developmental Science, and Systems Biology. As part of this initiative, the Department of Biological Sciences anticipates two tenure track positions in Molecular Cell Biology to start in the Fall of 2013. Appointment at the assistant professor level is anticipated. We seek molecular cell biologists whose research interests focus on cell cycle regulation and use a combination of experimental approaches, possibly including model organisms and animal tissue culture systems. Potential areas of interest include cell cycle progression/checkpoints, cell division, cytoskeleton organization, and cell motility.

Responsibilities
The person appointed will have the following responsibilities:
- development and maintenance of a productive, internationally-recognized research program that is supported by extramural funding;
- the continuing development of her/his own scholarly activities and professional competencies;
- active and effective participation in undergraduate and graduate instruction and student advising;
- active and effective participation in department and university administrative governance; and,
- adherence to the responsibilities of the general faculty as described by the faculty handbook (http://www.provost.vt.edu).

**Apply Online:** http://jobs.vt.edu
Employee Category: Instructional/Research Faculty

Working Title: Assistant/Associate Professor Human Factors and Ergonomics
Posting Number: 0122386

Assistant/Associate Professor Human Factors and Ergonomics

Department Review Date: 01-04-2013

Position Responsibilities:
- Teaching undergraduate and graduate coursework in the Human Factors and Ergonomics, and Industrial Engineering
- Development of a nationally or internationally recognized research program in Human Factors and Ergonomics
- Participation in departmental, college, and university committees
- Advising and mentoring students in Cognitive Ergonomics area
- Participation in outreach activities, such as continuing education workshops
- Obtaining sponsored funding in support of research program

Please see http://www.ise.vt.edu for a complete description of the department.

Assistant Professor
Posting Number: 0122360

Department Review Date: 11-19-2012

Assistant Professor

Position Responsibilities:
The Department of Human Nutrition, Foods and Exercise (http://hnfe.vt.edu) invites applications for a 9-month tenure-track faculty appointment with research and teaching responsibilities at the level of Assistant Professor. The position is a 60% research and 40% teaching appointment (negotiable depending on interest and preference). We are looking for an outstanding individual who will contribute to our translational research mission and strengthen our priority area of "Foods and Health." We are seeking an individual who is trained in food science and nutrition. Research areas of interest include, but are not limited to gut microbiome, immune function, sensory attributes of food and satiety, genetic and neural preferences of taste (related to energy regulation), starch digestion, and nutritional effects of food processing. Preference will be given to candidates that can interface with our molecular, clinical, or behavioral research groups focusing on obesity and chronic disease prevention. Collaborations with faculty in the Department of Food Science and Technology are also encouraged. The candidate should have appropriate teaching experience and the desire to contribute to a dynamic and robust teaching program and the training of dietetics students for careers in industry, research, and practice. The successful candidate will be expected to teach the equivalent of one undergraduate foods course per semester and contribute to graduate student training.

The candidate is expected to:
- Develop a nationally and internationally recognized extramurally-funded research program to complement and expand research programs in the College of Agriculture and Life Sciences, with an emphasis on foods and health;
- Teach undergraduate and/or graduate courses in food science topic area for accredited dietetics program;
- Direct and assist in training graduate students at both the M.S. and Ph.D. levels;
- Participate in service and outreach.

Visiting Assistant Professor, Mathematics
Posting Number: 0122460

Position Responsibilities:
The person appointed will have the following responsibilities:
- research, in an area of interest to the Mathematics Department faculty;
- teaching undergraduate or graduate mathematics classes, at a rate not to exceed one course per semester; and
- adherence to the responsibilities of the faculty as described by the faculty handbook (http://www.provost.vt.edu/facultyhandbooks.php).

Apply Online: http://jobs.vt.edu

Monday, October 15, 2012

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