

Department of Chemistry



Championing Future Scientists

Undergraduate

- 35 faculty
- 321 majors
- **Undergraduate Concentrations:**
 - chemical science, professional chemist, chemical modeling, biochemistry
- 8th for the total number of BS Chemistry degrees among 1083 Colleges and Universities

Graduate

- 70 graduate students
- 3 Masters Programs
 - Thesis
 - Non-Thesis
 - BS+ MS Accelerated
- 3 PhD Programs
 - Chemistry
 - Chemical Biology
 - Nanoscience

Top-Notch Faculty Research

**Home to Nobel Prize
Winner: John Fenn**

19 Tenure-Track Faculty

**More than 4.8 million in
research \$ for 2022-2023**



**6 faculty are PI or co-PI on
NIH awards**

**15 faculty are PI or co PI on
NSF awards**

**3 faculty are PI or co-PI on
DOD awards**

Research Themes

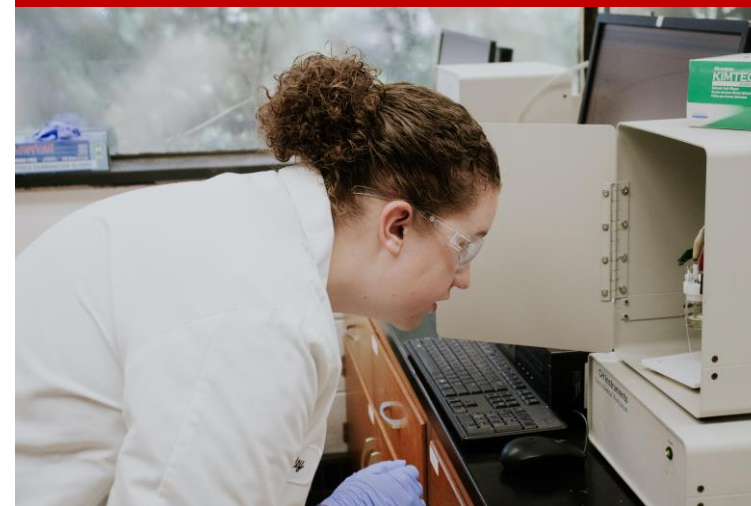
Sustainability and Energy



Organic Synthesis



Measurement Science



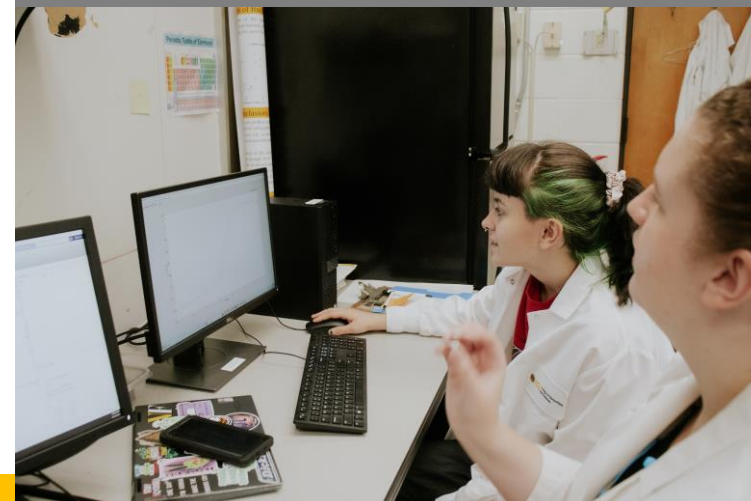
Chemical Biology and Biochemistry



Nanoscience and Nanomaterials



Computational and Machine Learning



Visitors Welcome



Teaching and Research Assistantships

Competitive Stipends

Tuition Waivers

Application Fee Waivers

GRE not required



Chemistry@vcu.edu

Graduate Research

- ~ **80** graduate students
- ~ **60-80** papers published each year
- **10 PhD** degrees and **2 MS** degrees were awarded in 2022/2023.
- **GTA** and **GRA** positions and competitive **fellowships** are available.
- VCU Chemistry is the home of Nobel Laureate: **Prof. John Fenn**
- Two Chemistry faculty served as **Jefferson Science Fellows** at the US Department of State





Chemistry Instrumentation



- Three major instrumentation facilities
- Central Facility
FTIR, TGA, UV-Vis, GC-MS, ICP-OES, Raman, PL etc.
- NMR Facility
Bruker NanoBay AVANCE III 400 MHz NMR spectrometer and AVANCE III 600 MHz.
- Mass Spectrometry Facility
 - Quadrupole ion trap and q-TOF.
 - Orbitrap high-resolution mass spectrometer
- Access to Nanomaterials Core Characterization Facility



Nanomaterials Characterization Facility

STATE-OF-THE ART FACILITY FOR MATERIALS CHARACTERIZATION

Veeco ICON AFM

PANalytical XRD

ThermoFisher ESCALab 250 XPS

Zeiss Libra 120 TEM

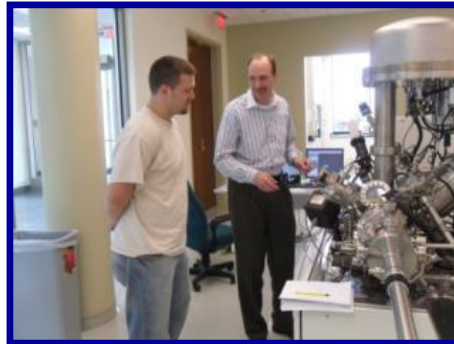
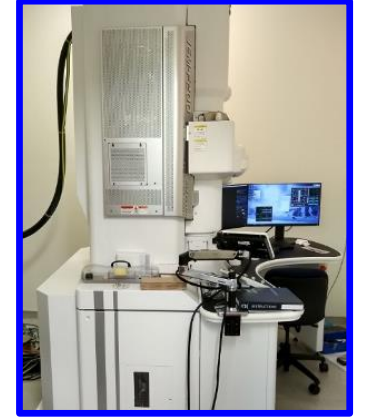
Jeol SEM

Hitachi Su-70 FE-SEM

Ellipsometer

Nikon Microscope

Raman Microscope

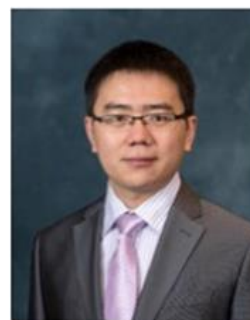


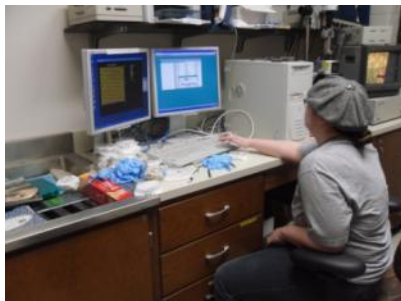
www.nano.vcu.edu



The Faces of Chemistry

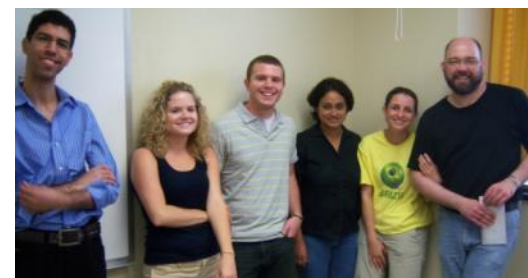
VCU Faculty





The Faces of Chemistry

VCU
Students



Interested in Graduate School?



Chemistry (MS and PhD): ~80 students

Nanoscience (PhD): ~ 5 students

Chemical Biology (PhD): ~5 students

Who to Contact: Dr. Indika Arachchige (Chemistry MS and PhD)
Dr. Everett Carpenter (Nanoscience PhD)
Dr. Matt Hartman (Chemical Biology PhD)

For general information on Graduate Studies in Chemistry

Frequently Asked Questions (FAQs) [Link](#)

Request Information via [Google Form](#)

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