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 Home of Nobel Laureate: Prof. John Fenn

• Two Chemistry faculty served as Jefferson Science Fellows at the US Department of State

http://www.chemistry.vcu.edu  www.nano.vcu.edu  https://chembio.vcu.edu/
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

http://www.chemistry.vcu.edu/research/facilities.html
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

Email: gradchem@vcu.edu or iuarachchige@vcu.edu
Phone: (804) 828-1298