**UW-Platteville Chemistry and NextGen Tech Summer Program**

**July 24–29, 2016**

**Who** 2015–16 high school sophomores, juniors, and seniors who have already taken (or are currently enrolled in) a high school chemistry and math course.

**Where** University of Wisconsin-Platteville campus

**When** Sunday, July 24–Friday, July 29. Registration begins at 3 p.m. on Sunday. Program concludes at noon on Friday.

**Cost** Includes instruction by university faculty, counseling services, T-shirt, and instructional materials.

**REGISTRATION**

- **Commuter $625**
- **Residential $795**

**Commuter** includes above, plus lunches Monday–Friday and two evening meals.

**Residential** includes above, plus breakfast, lunch, and supper meals starting Sunday evening through Friday breakfast, and overnight accommodations and evening activities.

Partial scholarships may be available based upon academic excellence and financial need.

**A cancellation refund of $50 will be charged through June 24, 2016. No refunds will be allowed after June 24, 2016.**

**Contact**

- **Program Information/Content**
  Chemistry Department, UW-Platteville, Chanaka Mendis
  Phone: 608.342.1692 • Email: mendisc@uwplatt.edu

- **Registration Questions**
  Continuing Education, UW-Platteville
  Phone: 608.342.1314 or 888.281.9472
  www.uwplatt.edu/continuing • Email: continuing@uwplatt.edu

**Application checklist**

- Completed application form
- Official high school transcript is required with proof of a math and chemistry course taken
- Health and consent form
- CHEM-1020 registrar form
- Payment for $625 if commuting student and $795 if residential student

**NOTE:** If you have a disability and require special accommodations, please advise us at least one week prior to the beginning of the program. Requests are confidential. UW-Platteville provides equal opportunities in employment and programming, including Title IX requirements.

Enrollment into this program does not guarantee future admission to UW-Platteville.
Who should attend?

If you’re interested in chemistry but want to know more about its technological applications and career paths, this one-week summer program held on campus at the University of Wisconsin-Platteville is for you. All students who have taken (or are currently enrolled in) a high-school chemistry and a math course are encouraged to attend this program. Successful completion qualifies as two college credits for UW-Platteville’s Introductory Chemistry: CHEM-1020.

About the course

Chemistry and NextGen Tech is a week-long, chemistry-immersion program that exposes students to the basic ideas and fundamental insights that have allowed chemistry to play a central role in creating our modern world. Participating students will develop the core skills needed to be successful in a college-level chemistry class, while engaging in multiple hands-on lab activities that reinforce and deepen their understanding of key concepts.

An important feature of the program will be periodic spotlight sessions, each of which will focus on a different technological advance driven by chemistry. Participants will be instructed by UW-Platteville chemistry faculty, in both lecture and laboratory settings, and they will also carry out one-on-one activities with current UW-Platteville chemistry majors. These college students will function as near-peer mentors throughout the week, providing participants ample opportunity to ask as many questions as they like—on their own terms and in a relaxed atmosphere—in order to learn more about life as a college student at UW-Platteville.

Specific topics that will be covered include atomic structure, stoichiometric reasoning, acid/base chemistry, redox reactions, periodic properties, states of matter, and theories of chemical bonding. Participants who successfully complete the week-long program will be awarded two college credits for Introductory Chemistry: CHEM-1020.

Introductory Chemistry: CHEM-1020 is an intro to chemistry course that is taken by some UW-Platteville engineering students.

Features

- Two college credits for Introductory Chemistry: CHEM-1020
- Skills to succeed in college
- Small class sizes
- Hands-on labs instructed by Ph.D.-level faculty
- Excellent food and residence hall accommodations
- All needed supplies
- College advising and career counseling
- Mentoring from upper class college chemistry students
- Fun evening activities

About UW-Platteville Chemistry

The chemistry program at UW-Platteville is professionally accredited by the American Chemical Society and is home to 140 majors and 20 faculty and staff. Students can choose from a range of different emphases, including criminalistics, biochemistry, and pre-pharmacy studies. The program emphasizes small classes, faculty instruction in both lectures and labs, and hands-on learning—from freshman-level general chemistry all the way through to senior-level capstone research. UW-Platteville chemistry faculty themselves maintain active, externally funded, undergraduate-oriented research programs, and their activities often lead to student-internship opportunities through collaborations with extramural partners. Many of our chemistry majors present their own research results at local, regional, or national-level conferences, and many also choose to take part in outreach and service activities through their social club, The Alchemists.

For more information, visit www.uwplatt.edu/go/chem