



## Student spotlight



### Nanoscale research multiplies into vast opportunities

Third-year chemical engineering major Alexis Hocken worked on a research project with two master's-level students for a little more than a semester before they both graduated, leaving her to lead her own project as just a second-year student. The project focused on copolymers, a combination of molecules formed by a chemical reaction to form a larger molecule with new properties.

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**Related story:** Junior Alexis Hocken [awarded Goldwater Scholarship](#) for photocurable nanocomposites research

## Faculty spotlights



### ASU researcher explores biomolecular structures to advance nanotechnology

Assistant Professor Brent Nannenga has been awarded a National Science Foundation CAREER Award to explore how biomolecules might be designed to synthesize new nanomaterials.

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**Related story:** Brent Nannenga awarded [Burton Medal](#) by the Microscopy Society of America



### Unleashing the untapped potential of granular materials

Assistant Professor Heather Emady is using her NSF CAREER Award to explore how granular particles behave in different engineering and manufacturing processes and how they can be employed to make different kinds of products, and make those processes more effective.

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### Salts and polymers research cooks up NSF CAREER Award

Assistant Professor Matthew D. Green is developing a modular synthetic strategy to reproducibly control the amount and type of charged groups within polyelectrolyte.

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### Chemical engineer honored for celebrating women in the field

Assistant Professor Julianne L. Holloway was recently honored with the American Institute of Chemical Engineers Herb Epstein Award for Technical Programming. The award recognizes Holloway's efforts in organizing a one-day symposium to celebrate the 20th anniversary of the AIChE Women's Initiative Committee.

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Chemical engineering is a degree program offered by the [School for Engineering of Matter, Transport and Energy](#), a part of Arizona State University's Ira A. Fulton Schools of Engineering.