Reversible Nanoclusters from Nanoparticles: Colloid Science Fundamentals and Applications in Protein Drug Delivery and Bioimaging

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Biomedical Engineering Problem Solving with Systems Engineering Methods

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Overcoming Multi-Phase Reactor Mass Transfer Limitations Via Membrane Contactors

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Cascade Enzyme Factories: Replacing Crude Oil, Feeding the World, Powering Cellular Phone, and More

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Nanoscale Process Systems Engineering: Towards Molecular Factories, Synthetic Cells, & Adaptive Devices

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Identification of E-Selectin Ligands on Breast Cancer Cells: Implications for Bloodborne Metastasis

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Auburn University has been offering engineering courses since 1872 and has a long and rich tradition of excellence in engineering education. The college’s fall 2011 undergraduate enrollment was 4,018 and graduate 834. The Samuel Ginn College of Engineering:

- Comprises the largest engineering program in the state of Alabama and is the university’s largest in terms of enrollment
- Produces about half of the state’s engineering graduates
- Awards more than $1 million in scholarships annually
- Counts 72 National Merit Finalists, 11 National Hispanic Scholars and 11 National Achievement Finalists in its fall 2011 freshman class

Conducts approximately half of the university’s $71 million in annual research
Houses nine departments offering 13 academic programs and 13 research centers
Is represented by more than 30,000 alumni around the globe, including more than 12,000 in Alabama
Has a rich heritage of solid engineering disciplines that combine fundamentals with real-world experience

Auburn has been offering chemical engineering courses since 1913. Our graduate program began early in the department’s history, with the first master’s degrees conferred in 1919. In fall 2011, 550 undergraduate and 90 graduate students were enrolled in chemical engineering.

Auburn offers a balanced, challenging chemical engineering curriculum that prepares its graduates for a successful career. The department emphasizes hands-on experience to its undergraduate students through laboratory projects and state-of-the-art computer simulation. The department has strong ties with industry, and encourages students to become involved in Auburn’s cooperative education program, gaining valuable experience in industry while making money for school expenses.

For the student seeking an advanced degree in chemical engineering, Auburn University offers many exciting opportunities. The size and strength of Auburn’s research program provides important advantages for graduate students. Among Southeastern schools, Auburn maintains a top ranking in research awards per faculty member. This allows the department to provide excellent fellowships and assistantships for all qualified students, and to offer cutting-edge research equipment in all chemical engineering laboratories.

Thanks to recent renovations of Ross Hall and Wilmore Laboratories, chemical engineering classrooms and labs rank among the best in the nation.

Chemical engineering’s young and energetic faculty is well qualified academically and professionally, with advanced degrees from top universities as well as considerable industry experience.

Please visit our website at eng.auburn.edu/chen