CANCER NANOTECHNOLOGY
GRADUATE CONCENTRATION

for the graduate concentration in Cancer Nanotechnology

department head: Mark Anastasio (mfi@illinois.edu)
director of graduate studies: Gregory Underhill (bodony@illinois.edu)
overview of grad college admissions & requirements: https://grad.illinois.edu/admissions/apply

department website: https://bioengineering.illinois.edu/
program website: https://bioengineering.illinois.edu/academics/graduate/phd/concentrations.html
department faculty: https://bioengineering.illinois.edu/directory/
college website: https://grainger.illinois.edu/
contact: Krista Smith (kristasm@illinois.edu)
address: 1240 Everitt Laboratory, 1406 W Green St, Urbana, IL 61801
phone: (217) 333-1867
email: bioe-gradprograms@illinois.edu (bioengineering@illinois.edu)

The Cancer Nanotechnology Concentration prepares students for collaborative research across the disciplines of engineering, biology, and the sciences. Students must be enrolled in a graduate degree program:

Bioengineering, MEng
Bioengineering, PhD
Bioinformatics: Bioengineering, MS
Computational Genomics: Bioengineering, PhD
Electrical & Computer Engineering, MS
Electrical & Computer Engineering, PhD
Materials Engineering, MEng
Materials Science & Engineering, MS
Materials Science & Engineering, PhD
Mechanical Engineering, MEng
Mechanical Engineering, PhD
Theoretical & Applied Mechanics, MS
Theoretical & Applied Mechanics, PhD

Other Graduate Programs in the Department of Bioengineering
degrees:

Bioengineering, MEng (http://catalog.illinois.edu/graduate/engineering/bioengineering-meng/)
concentrations:
Bioinstrumentation (http://catalog.illinois.edu/graduate/engineering/bioengineering-meng/bioinstrumentation/) Computational Genomics (http://catalog.illinois.edu/graduate/engineering/bioengineering-meng/computational-genomics/) General Bioengineering (http://catalog.illinois.edu/graduate/engineering/bioengineering-meng/general-bioengineering/)

Bioengineering, MS (http://catalog.illinois.edu/graduate/engineering/bioengineering-ms/)

Bioengineering, PhD (http://catalog.illinois.edu/graduate/engineering/bioengineering-phd/)
optional concentrations:
Biomechanics (http://catalog.illinois.edu/graduate/engineering/concentration/biomechanics/) Cancer Nanotechnology (p. 1)

Bioinformatics: Bioengineering, MS (http://catalog.illinois.edu/graduate/engineering/bioinformatics/)

Bioinformatics: Computational Genomics (http://catalog.illinois.edu/graduate/engineering/computational-genomics/)

Bioinformatics: General Bioengineering (http://catalog.illinois.edu/graduate/engineering/general-bioengineering/)

Bioinformatics: Information listed in this catalog is current as of 10/2020
The Department of Bioengineering offers studies leading to the Master of Engineering in Bioengineering (MEng), the Master of Science in Bioengineering (MS), and the Doctor of Philosophy (PhD) in Bioengineering. The Bioengineering Graduate Program provides students with educational and research experiences that integrate the sciences of biology and medicine with the practices and principles of engineering. For the MS and PhD programs, areas of focus include Bio-imaging, Cell & Tissue Engineering, Micro and Molecular Technologies, and Computational Biology.

Opportunity also exists for specializing in energy and sustainability engineering via the Energy and Sustainability Engineering (EaSE) Graduate Certificate Option.

The Cancer Nanotechnology Concentration requires students to earn a B or better in each concentration course. Students must complete 12 credit hours, including at least one core Cancer course and one core Nanotechnology course. Participants may take a second core Cancer course and/or a second core Nanotechnology course as an elective. Fulfillment of these requirements will be monitored by the graduate coordinator in Bioengineering.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Core Cancer Classes</strong></td>
<td></td>
</tr>
<tr>
<td>BIOE 498</td>
<td>Special Topics (Section RB, Cancer Science and Technology)</td>
<td></td>
</tr>
<tr>
<td>MCB 400</td>
<td>Cancer Cell Biology</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Core Nanotechnology Classes</strong></td>
<td></td>
</tr>
</tbody>
</table>

Information listed in this catalog is current as of 10/2020