

# NU BME CONCENTRATIONS

## Translational Biomedical Engineering

### Foundational Coursework: Biological Materials & Systems

<b>BMD_ENG 343</b>	<i>Biomaterials and Medical Devices</i>
<b>BMD_ENG 344</b>	<i>Biological Performance of Materials</i>
<b>BMD_ENG 444</b>	<i>Organic Nanomaterials</i>
<b>BMD_ENG 443</b>	<i>Biological Phenomena in Cell/Cell-Free Systems</i>

### Regenerative Biology and Engineering

<b>BMD_ENG 346</b>	<i>Tissue Engineering</i>
<b>BMD_ENG 347</b>	<i>Foundations of Regenerative Engineering</i>
<b>BMD_ENG 348</b>	<i>Applications of Regenerative Engineering</i>
<b>BMD_ENG 495</b>	<i>Regenerative Engineering Laboratory</i>
<b>BIOL_SCI 315</b>	<i>Advanced Cell Biology</i>

### Regulation and Drug Development

<b>BMD_ENG 340</b>	<i>Pharmaceutical Engineering: From Discovery to Therapeutics</i>
<b>CHEM_ENG 382</b>	<i>Regulatory Sciences in Biotechnology</i>

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### Clinical Trials

<b>MSCI 311</b>	<i>Clinical Research, Design, Methods, and Grant Writing</i>
<b>MSCI 335</b>	<i>Fundamentals of Clinical Trials</i>
<b>MSCI 421</b>	<i>Biostatistics for Clinical Investigators 2</i>

### Project Management and Product Development Process

<b>BMD_ENG 495</b>	<i>NUvention Medical Innovation</i>
<b>ENTREP 495</b>	<i>NUvention Therapeutics</i>
<b>DGP/MSCI 422</b>	<i>Introduction to Translational Research</i>