

Project Courses

Requirements for project courses: takes 2-4 weeks of time; paper (10+ pages), class presentation (20 minutes minimum); or other approved deliverable. Students should upload the project report or presentation to GSTS at the end of the quarter that the class is taken.

- BMD_ENG 317-0: Biochemical Sensors (Mrksich)
- BMD_ENG 323-0: Visual Engineering Science (Troy)
- BMD_ENG 325-0: Introduction to Medical Imaging (Sahakian)
- BMD_ENG 333-0: Modern Optical Microscopy and Imaging (Zhang)
- BMD_ENG 343-0 – Biomaterials and Medical Devices (Ameer)

Some require permission from the department and may not be offered every year.
Course numbers are subject to change.

Project Courses

- BMD_ENG 344-0 – Biological Performance of Materials (Scott)
- BMD_ENG 346-0 – Tissue Engineering (Ameer)
- BMD_ENG 347-1-20 – Foundations of Regenerative Engineering (Liu)
- BMD_ENG 348-1-01 – Applications of Regenerative Engineering (Liu)
- BMD_ENG 365-0 – Control of Human Limbs and Their Artificial Replacements (Gard)
- BMD_ENG 380-0 – Medical Devices, Disease & Global Health (Glucksberg)
- BMD_ENG 402-0 – Advanced Systems Physiology (Troy)
- BMD_ENG 407-0 – Experimental Design and Measurement (Ankeny)
- BMD_ENG 429-0 – Advanced Physical and Applied Optics (Backman)
- BMD_ENG 448-0 – Cardiovascular Biology and Engineering

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Project Courses

- BMD_ENG 469-0 – Neural Control and Mechanics of Movement (Tresch)
- MECH_ENG 333-0 – Introduction to Mechatronics (Marchuk)
- MECH_ENG 433-0 – Advanced Mechatronics (Marchuk)
- MECH_ENG 495-0 – Special Topics: Soft Robotics (Hartmann)

- NUvention Medical (Fisher)
- Other courses with approval from Director of MS program (Prof Ankeny)

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