# Basic Biomedical Science Curriculum (BBSC) Required and Elective Courses

## Fall 2013–Summer 2014

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### Fall Term – 2013

- Frontiers of Science (BBSC 6195)
- Principles of Laboratory Safety
  - program dependent; prerequisite for BSL3/BSL4 training
  - (BBSC 6217)
- Cell Biology (BBSC 6302)
- Biochemistry (BBSC 6401)
- Ethics of Scientific Research (MEHU 6101)
  - [2-day course]
  - Thurs., Nov 7 (8am-4:30 pm) & Fri., Nov 8 (8am-5 pm)
- All-Schools Orientation (Sat, Aug 17)
- New Graduate Student Orientation and Registration (Aug 19-21)

### Break

8-Week Laboratory Rotation (BBSC 6301)
- Animal Models of Human Diseases (BBSC 6220)
- 8-Week Laboratory Rotation (BBSC 6301)

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### Fall Term – 2013/2014

- Critical Reading of Scientific Literature (BBSC 6104)
- Frontiers of Science (BBSC 6195)

### Spring Term – 2014

- Molecular Biology and Genetics (BBSC 6403)
- 8-Week Laboratory Rotation (BBSC 6301)
  - Introduction to Immune Mechanisms (BBSC 6206)
  - Neuronal Excitability (BBSC 6207)
  - Principles of Drug Action, Pharmacokinetics and Biotransformation (BBSC 6208)
  - Mechanisms of Cancer Progression (BBSC 6216)

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### Summer Term – 2014

- 7-Week Laboratory Rotation (BBSC 6301)
- 8-Week Laboratory Rotation (BBSC 6301)
  - Genes, Environment and Disease (BBSC 6118)
  - Microorganisms and Infectious Disease (BBSC 6205)
  - Hormonal Signaling (BBSC 6215)
  - Introduction to the Study of Biological Systems (BBSC 6103)
  - Principles of CNS Sensory-Motor Integration (BBSC 6214)

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### Notes

- **Red** = Required
- **Black** = Electives
- **Green** = 3 rotations required (must do one in 2nd block of Fall term)
- **Orange** = CTPREP students only, must have permission to register
- See GSBS Academic Calendar for drop/add dates

Subject to Change

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As of 11.1.13