

QB students with a concentration in **Molecular Biophysics** should enroll in the following three courses:

- BMB 803 – Protein Structure and Function
- CEM 882 - Kinetics and Spectroscopic Methods
- PHY 905 – Special Problems
- Other courses (e.g., MTH 994 – Topics in Applied Math) may be substituted with the permission of the QB director

QB students from a biological discipline with a concentration in **Systems Biology** should enroll in at least 5 credits of appropriate courses outside of their home discipline:

- CHE 891 - Recent Topics in Biological Networks, Systems Biology, and Modeling
- STT 890 – Statistical Problems
- Other courses may be substituted with the permission of the QB director

QB students from a non-biological discipline with a concentration in **Systems Biology** should enroll in at least 5 credits of appropriate courses outside of their home discipline:

- BMB 802-Metabolic Regulation and Signal Transduction
- MMG 801-Integrated Microbial Biology
- BMB 960 - Analyzing Metabolism to Systems Biology
- BMB 401 – Basic Biochemistry
- Other courses may be substituted with the permission of the QB director

QB students from a biological discipline with a concentration in **Ecological and Evolutionary Modeling** should enroll in at least 5 credits of appropriate courses outside of their home discipline:

- ZOL 851 – Quantitative Methods in Ecology & Evolution
- A new Computer Science course being developed
- Other courses may be substituted with the permission of the QB director

QB students from a non-biological discipline with a concentration in **Ecological and Evolutionary Modeling** should enroll in at least 5 credits of appropriate courses outside of their home discipline:

- A new Evolutionary Biology course being developed
- MMG 801-Integrated Microbial Biology
- BMB 801 – Molecular Biology
- Other courses may be substituted with the permission of the QB director

QB students from a biological discipline with a concentration in **Genomics, Bioinformatics, and Computational Biology** should enroll in at least 5 credits of appropriate courses outside of their home discipline:

- STT 855 – Statistical Genetics
- EPI 808 – Biostatistics
- CSE 891 – Open Problems in Bioinformatics
- BMB 810 - Introduction to Bioinformatics
- Other courses may be substituted with the permission of the QB director

QB students from a non-biological discipline with a concentration in **Genomics, Bioinformatics, and Computational Biology** should enroll in at least 5 credits of appropriate courses outside of their home discipline:

- BMB 801 – Molecular Biology
- MMG 433 – Microbial Genomics
- PLB 812 – Principles and Applications of Plant Genomics
- BMB 401 – Basic Biochemistry
- CSE 891 – Open Problems in Bioinformatics
- BMB 810 - Introduction to Bioinformatics
- Other courses may be substituted with the permission of the QB director