

## Approved CHEG Electives

| Course Number   | Course Name                                 |
|-----------------|---|
| BINF644         | Bioinformatics                              |
| BINF694         | Systems Biology I                           |
| BISC602         | Molecular Biology of Animal Cells           |
| BISC609         | Molecular Biology of the Cell               |
| BISC650/CHEM650 | Protein Structure in Cell Biology           |
| BMEG661         | Cell Engineering                            |
| BMEG679         | Intro to Medical Imaging System             |
| CHEM603         | Practical MMR Spectroscopy                  |
| CHEM606         | Chemistry-Biology Interface Experience      |
| CHEM620         | Analytical Spectroscopy                     |
| CHEM629         | Surface Chemistry & Analysis                |
| CHEM633         | Advanced Organic Chemistry:Physical         |
| CHEM637         | Practical Molecular Spectroscopy            |
| CHEM671         | Quantum Chemistry                           |
| CHEM678         | Structure and Properties of Surfaces        |
| CHEM686         | Biophysical Chemistry                       |
| CISC684         | Intro to Machine Learning                   |
| ELEG815         | Analytics I: Statistical Learning           |
| ELEG845         | Modern Machine Learning                     |
| MATH637         | Mathematical Techniques in Data Science     |
| MATH817         | Equations                                   |
| MATH838         | Finite Element and Boundary Element Methods |
| MEEG667         | Energy Storage                              |
| MSEG608         | Structure of Materials I                    |
| MSEG625         | High Technology Entrepreneurship            |
| MSEG660         | Biomaterials & Tissue Engineering           |
| MSEG667         | Advances in 2D Materials                    |
| MSEG804         | Kinetics of Materials                       |
| MSEG832         | Principles of Polymerization                |
| MSEG835         | Principles of Polymer Physics               |
| MSEG841         | Solid State Materials                       |