Training requirements for CCBM Fellows:

All 3 Training modules –
  a. Imaging and Spectroscopy  
  b. Nano-bio Fabrication  
  c. Computation and Modeling

Coursework:
Required coursework as specified by your graduate group.
In addition a total of 6 units of electives from among the following UCM and Outside courses. 
Note that if a course is required by your graduate group it cannot be used to satisfy an elective requirement for CCBM.
A course that is not on this list may be considered for use as an elective on a case-by-case basis. Please contact your advisor and Prof. Gopinathan for approval.

Outside UCM Courses (note that more will be added to this list as options grow):

- BMSE 201A: Protein Structure and Function  
- BMSE 201B: Chemistry & Structure of Nucleic Acids  
- BMSE 201C: Biomembranes Structure & Function  
- BMSE 215: Biophysical Thermodynamics  
- BMSE 217: Electrostatics of Biopolymers  
- BMSE 250: Bionanotechnology  
- BMSE 271: Mechanical Force and Biomolecules  
- BMSE 276A: Biomolecular Materials I: Structure and Function  
- BMSE 276B: Biomolecular Materials II  
- BMSE 293: Computational Methods Biochemistry & Molecular Biology

<table>
<thead>
<tr>
<th>Graduate Group</th>
<th>BioEngineering and Material Science and Engineering</th>
<th>Chemistry and Chemical Biology</th>
<th>Physics</th>
</tr>
</thead>
</table>
| UCM Elective Courses | BEST 240: Biomolecular Engineering  
  BEST 214: Tissue Engineering and Design  
  BEST 211: Synthetic Biology (EBICS)  
  BEST 299: Cell as a Machine (EBICS) | CHEM 214 or PHYS 212: Statistical Mechanics  
  CHEM 216: Interfacial & Surface Chemistry | PHYS 209: Soft Matter Physics  
  PHYS 204: Biophysics |