

Molecular Biotechnology (specialisation of Biotechnology major)

| Year and Campus: | 2015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|----------------|--|---------|----------------------------|----------------|-------------------------------------|------------|-------|--|------------|-------|---------|----------------------------|----------------|---------------------------------|------------|-------|-----------------------------------|------------|-------|---|------------|-------|--|------------|-------|--|------------|-------|---|------------|-------|--|------------|-------|---------|----------------------------|----------------|-------------------------------------|------------|-------|--|------------|-------|--|------------|-------|
| Coordinator: | See Biotechnology major | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact: | See Biotechnology major | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Overview: | Molecular Biotechnology specialisation within the Biotechnology major | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Learning Outcomes: | See Biotechnology major | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Structure & Available Subjects: | <p>Completion of 50 points of study at Level 3.</p> <p>There are two streams within this specialisation:</p> <ul style="list-style-type: none"> # Cell and Developmental Biology stream # Genetics stream | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subject Options: | <p>Cell and Developmental Biology stream</p> <p>Both</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BTCH30003 Biotechnology in Practice</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>CEDB30002 Concepts in Cell & Developmental Biology</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p>Plus two electives selected from</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>CEDB30003 Developmental Biology</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>BIOL30001 Reproductive Physiology</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>BCMB30003 Molecular Aspects of Cell Biology</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>GENE30002 Genes: Organisation and Function</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>BIOL30002 Experimental Reproductive Physiology</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>BOTA30005 Plant Molecular Biology & Biotechnology</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>CEDB30004 Stem Cells in Development & Regeneration</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>Genetics stream</p> <p>All three of</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BTCH30003 Biotechnology in Practice</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>GENE30002 Genes: Organisation and Function</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>GENE30001 Evolutionary Genetics and Genomics</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p>Plus one elective selected from</p> | | | Subject | Study Period Commencement: | Credit Points: | BTCH30003 Biotechnology in Practice | Semester 1 | 12.50 | CEDB30002 Concepts in Cell & Developmental Biology | Semester 1 | 12.50 | Subject | Study Period Commencement: | Credit Points: | CEDB30003 Developmental Biology | Semester 2 | 12.50 | BIOL30001 Reproductive Physiology | Semester 2 | 12.50 | BCMB30003 Molecular Aspects of Cell Biology | Semester 1 | 12.50 | GENE30002 Genes: Organisation and Function | Semester 1 | 12.50 | BIOL30002 Experimental Reproductive Physiology | Semester 2 | 12.50 | BOTA30005 Plant Molecular Biology & Biotechnology | Semester 2 | 12.50 | CEDB30004 Stem Cells in Development & Regeneration | Semester 2 | 12.50 | Subject | Study Period Commencement: | Credit Points: | BTCH30003 Biotechnology in Practice | Semester 1 | 12.50 | GENE30002 Genes: Organisation and Function | Semester 1 | 12.50 | GENE30001 Evolutionary Genetics and Genomics | Semester 1 | 12.50 |
| Subject | Study Period Commencement: | Credit Points: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BTCH30003 Biotechnology in Practice | Semester 1 | 12.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CEDB30002 Concepts in Cell & Developmental Biology | Semester 1 | 12.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subject | Study Period Commencement: | Credit Points: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CEDB30003 Developmental Biology | Semester 2 | 12.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BIOL30001 Reproductive Physiology | Semester 2 | 12.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BCMB30003 Molecular Aspects of Cell Biology | Semester 1 | 12.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENE30002 Genes: Organisation and Function | Semester 1 | 12.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BIOL30002 Experimental Reproductive Physiology | Semester 2 | 12.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BOTA30005 Plant Molecular Biology & Biotechnology | Semester 2 | 12.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CEDB30004 Stem Cells in Development & Regeneration | Semester 2 | 12.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subject | Study Period Commencement: | Credit Points: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BTCH30003 Biotechnology in Practice | Semester 1 | 12.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENE30002 Genes: Organisation and Function | Semester 1 | 12.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENE30001 Evolutionary Genetics and Genomics | Semester 1 | 12.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | Subject | Study Period Commencement: | Credit Points: |
|--|--------------------------------------|-----------------------------------|-----------------------|
| | GENE30005 Human and Medical Genetics | Semester 2 | 12.50 |
| | GENE30004 Genetic Analysis | Semester 2 | 12.50 |
| Related Majors/Minors/ Specialisations: | Biotechnology | | |