

BSc in Biotechnology

Course Short Code

BT

Course Year

4

Course Offering: 01

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## **B.Sc. in Biotechnology, Year 4, Full-Time**

### **Major BT-Biotechnology**

Students must register for all modules within the relevant pathway

#### **Core Modules**

<b>Module Code</b>	<b>Module Title</b>	<b>Module Credits</b>	<b>Semester</b>
BIO1013	Immunology & Immunoanalysis	5	Semester 1
BTE1014	Industrial Bioprocessing	5	Semester 1
BTE1015	Proteins, Proteomics & Biopharma	5	Semester 1
BIO1044	Literature Review	7.5	Semester 1
BTE1017	Commercial Biotechnology & Biopharma	5	Semester 2
BTE1021	Animal Cell Biotechnology	5	Semester 2

#### **Optional Modules**

**All Pathways/Students choose ONE of the following two options**

<b>Module Code</b>	<b>Module Title</b>	<b>Module Credits</b>	<b>Semester</b>
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BTE1020	Bioreaction Engineering	7.5	Semester 1
GCB1013	Current Topics in Genetics & Cell Biology	7.5	Semester 1

**Biotechnology & Research Pathway - Select 20 Credits**

<b>Module Code</b>	<b>Module Title</b>	<b>Module Credits</b>	<b>Semester</b>
BIO1020	Research Project	15	Semester 2
GCB1002	Genetics of Human Inheritance	5	Semester 2

**Biopharma Pathway - Select 15 Credits**

<b>Module Code</b>	<b>Module Title</b>	<b>Module Credits</b>	<b>Semester</b>
BTE1018	Biopharmaceutical Industry Regulation & Management	5	Semester 2
BTE1019	Biopharmaceutical Facility Design & Operation	5	Semester 2
BTE1023	Formulation & Delivery of Biopharmaceuticals	5	Semester 2
GCB1002	Genetics of Human Inheritance	5	Semester 2

**Biopharma Pathway - Select an additional 5 Credits from ONE of the below**

<b>Module Code</b>	<b>Module Title</b>	<b>Module Credits</b>	<b>Semester</b>
BIO1016	Advanced Bioanalysis Laboratory	5	Semester 2
BTE1022	Bioprocessing Laboratory	5	Semester 2