

# Curriculum (Effective Fall 2023)

## Degree Type

Master of Biomedical Sciences (M.B.S.)

### First Year

#### Fall Quarter

Course Code	Title	Credits
BIOCD 0561	CGS Biochemistry I	3.5
BISCD 0550	Professional Development	1.0
BISCD 0552	Fundamentals of Research	3.0
BISCD 0556	Research Design and Methodology	3.0
PHYSD 0550	Human Physiology I	3.5
<b>Sub-Total Credits</b>		<b>14</b>

#### Winter Quarter

Course Code	Title	Credits
BIOCD 0571	CGS Biochemistry II	2.5
BISCD 0557	Principles of Biostatistics	3.0
MICRD 0599	Molecular Immunology	3.0
PHYSD 0551	Human Physiology II	3.5
Electives (0-2 credits)		0-2
<b>Sub-Total Credits</b>		<b>12-14</b>

#### Spring Quarter

Course Code	Title	Credits
BIOCD 0580	Human Genetics	1.0
BISCD 0560	Laboratory Research for Thesis	1.0-6
BISCD 0570	Ethics of Research and Experimentation	2.0
BISCD 0581	Journal Club	2.0
MICRD 0583	Medical Microbiology with Lab	4.0
Electives (0-4 credits)		0-4
<b>Sub-Total Credits</b>		<b>10-19</b>

### Second Year

#### Summer Quarter

Course Code	Title	Credits
BISCD 0660	Laboratory Research for Thesis	1.0-6
BISCD 0665	Thesis Proposal	3.0
BISCD 0681	Literature Review	2.0
Electives (0-4 credits)		0-4
<b>Sub-Total Credits</b>		<b>6-15</b>

#### Fall Quarter

Course Code	Title	Credits
BISCD 0653	Seminar in the Biomedical Sciences	1.0
BISCD 0661	Laboratory Research for Thesis	1.0-6
Electives (0-4 credits)		0-4
<b>Sub-Total Credits</b>		<b>2-11</b>

#### Winter Quarter

Course Code	Title	Credits
BISCD 0654	Seminar in the Biomedical Sciences	1.0
BISCD 0662	Laboratory Research for Thesis	1.0-6
Electives (0-4 credits)		0-4
<b>Sub-Total Credits</b>		<b>2-11</b>

#### Spring Quarter

Course Code	Title	Credits
BISCD 0663	Laboratory Research for Thesis	1.0-6
BISCD 0680	Thesis	4.0
Electives (0-4 credits)		0-4
<b>Sub-Total Credits</b>		<b>5-14</b>

### Electives

All students must complete a minimum of 9 hours of elective coursework to satisfy the credit requirement for graduation.

Course Code	Title	Credits
ANATD 0945	Human Anatomy	4.0
ANATD 0955	Human Neuroscience	3.0
BISCD 0913	Nutrition Therapy	1.0
BISCD 0928	Environmental Health Sciences	2.0
BISCD 0944	Biomedical Imaging	3.0
BISCD 0945	Biomarkers in Health and Disease	2.0
BISCD 0950	Intestinal Bacteria in Health and Disease	2.0
BISCD 0963	Hormones and Behavior	2.0
BISCD 0980	Pathophysiology	4.0
MICRD 0903	Vaccines	1.0
MICRD 0904	Cultural Transformation	1.0
PHARD 0994	Pharmacology I	3.0
PHARD 0995	Pharmacology II	3.0
PHARD 0996	Pharmacology III	3.0
PHYSD 0937	Exercise Physiology	3.0
PSCID 0879	LGBTQI Considerations in the Provision of Healthcare	2.0
<b>Sub-Total Credits</b>		<b>39</b>
<b>Total Credits</b>		<b>72</b>