Stude	nts are required to complete a minimum of 58[a] units of courses as follo	owe.
Stude	ins are required to complete a minimum of Jo[a] units of courses as follo	Units
1.	Faculty Package:	9
	Group A: LSCI1002	,
	Group B: CHEM1280 (preferred) or 1070	
	A course from the following	
	Group C: MATH1520 (preferred) or 1010	
	Group D: (PHYS1001 or 1002) (preferred) or 1111	
	Group E: STAT1012 (preferred) or 1011	
	Gloup E. Sharronz (preferred) of Torr	
2.	Required Courses:	43
	BCHE2030#, 3050#, 3070#, BIOL2120#, 2313#, 2410#,	10
	CMBI2200, 3010, 3020, 3030, 3040, 3100, 3101, 3200, 4001,	
	4002, 4003, 4101, 4102, 4103, 4201, 4202, 4203, 4301, 4302,	
	4303, LSCI2002#	
3.	Elective Courses:	6
	6 units of courses from the following:	
	BCHE3030#, 3040#, 4030#, 4040#, 4060#, 4130#, BIOL3410#,	
	3420#, 3530#, 3630#, 4010#, 4120#, BMEG2001#, 2011#,	
	3102#, CMBI2500, 4901, 4902, 4903, LSCI2003#, 4911#, 4912#,	
	3102#, CMBI2500, 4901, 4902, 4903, LSCI2003#, 4911#, 4912#, 4913#, MBTE4320#, 4510#, 4520#, 4530#, STAT3210#	
	4913#, MBTE4320#, 4510#, 4520#, 4530#, STAT3210#	58 [a]
		58 [a]
	4913#, MBTE4320#, 4510#, 4520#, 4530#, STAT3210#	s meeting the
criteri	4913#, MBTE4320#, 4510#, 4520#, 4530#, STAT3210# Total: dition to fulfilling the above Major Programme Requirement, student	s meeting the
criteri Scien	4913#, MBTE4320#, 4510#, 4520#, 4530#, STAT3210# Total: dition to fulfilling the above Major Programme Requirement, student a as specified by the Faculty can take the following stream offered by the	s meeting the le Faculty:
criteri Scien Stude	4913#, MBTE4320#, 4510#, 4520#, 4530#, STAT3210# Total: dition to fulfilling the above Major Programme Requirement, student a as specified by the Faculty can take the following stream offered by th ce, Technology And Research Stream nts are required to complete a minimum of 12 units of courses as follow	s meeting the le Faculty:
eriteri Scien Stude 1.	4913#, MBTE4320#, 4510#, 4520#, 4530#, STAT3210# Total: dition to fulfilling the above Major Programme Requirement, student a as specified by the Faculty can take the following stream offered by the ce, Technology And Research Stream nts are required to complete a minimum of 12 units of courses as follow Required Courses:	s meeting the le Faculty: s:
eriteri Scien Stude L.	4913#, MBTE4320#, 4510#, 4520#, 4530#, STAT3210# Total: dition to fulfilling the above Major Programme Requirement, student a as specified by the Faculty can take the following stream offered by th ce, Technology And Research Stream nts are required to complete a minimum of 12 units of courses as follow Required Courses: One Faculty Package Course:	s meeting the le Faculty:
criteri Scien Stude	4913#, MBTE4320#, 4510#, 4520#, 4530#, STAT3210# Total: dition to fulfilling the above Major Programme Requirement, student is as specified by the Faculty can take the following stream offered by the ce, Technology And Research Stream nts are required to complete a minimum of 12 units of courses as follow Required Courses: One Faculty Package Course: Choose from the two remaining groups of the Faculty Package	s meeting the le Faculty: s:
criteri Scien Stude 1. (a)	4913#, MBTE4320#, 4510#, 4520#, 4530#, STAT3210# Total: dition to fulfilling the above Major Programme Requirement, student a as specified by the Faculty can take the following stream offered by the ce, Technology And Research Stream nts are required to complete a minimum of 12 units of courses as follow Required Courses: One Faculty Package Course: Choose from the two remaining groups of the Faculty Package that have not been used to fulfill the Faculty Package Requirement	s meeting the he Faculty: s: 3
criteri Scien Stude 1. (a)	4913#, MBTE4320#, 4510#, 4520#, 4530#, STAT3210# Total: dition to fulfilling the above Major Programme Requirement, student a as specified by the Faculty can take the following stream offered by th ce, Technology And Research Stream nts are required to complete a minimum of 12 units of courses as follow Required Courses: One Faculty Package Course: Choose from the two remaining groups of the Faculty Package that have not been used to fulfill the Faculty Package Requirement Research Courses:	s meeting the le Faculty: s:
Scien Stude (a) (b)	4913#, MBTE4320#, 4510#, 4520#, 4530#, STAT3210# Total: dition to fulfilling the above Major Programme Requirement, student a as specified by the Faculty can take the following stream offered by th ce, Technology And Research Stream nts are required to complete a minimum of 12 units of courses as follow Required Courses: One Faculty Package Course: Choose from the two remaining groups of the Faculty Package that have not been used to fulfill the Faculty Package Requirement Research Courses: STAR2000, 3000, 4000[b]	s meeting the le Faculty: s: 3 6
Scien Stude (. a) (b)	4913#, MBTE4320#, 4510#, 4520#, 4530#, STAT3210# Total: dition to fulfilling the above Major Programme Requirement, student a as specified by the Faculty can take the following stream offered by th ce, Technology And Research Stream nts are required to complete a minimum of 12 units of courses as follow Required Courses: One Faculty Package Course: Choose from the two remaining groups of the Faculty Package that have not been used to fulfill the Faculty Package Requirement Research Courses: STAR2000, 3000, 4000[b] Seminar Courses:	s meeting the he Faculty: s: 3
Scien Stude (. a) (b)	4913#, MBTE4320#, 4510#, 4520#, 4530#, STAT3210# Total: dition to fulfilling the above Major Programme Requirement, student a as specified by the Faculty can take the following stream offered by th ce, Technology And Research Stream nts are required to complete a minimum of 12 units of courses as follow Required Courses: One Faculty Package Course: Choose from the two remaining groups of the Faculty Package that have not been used to fulfill the Faculty Package Requirement Research Courses: STAR2000, 3000, 4000[b]	s meeting the le Faculty: s: 3 6
criteri Scien Stude I. (a) (b) (c)	4913#, MBTE4320#, 4510#, 4520#, 4530#, STAT3210# Total: dition to fulfilling the above Major Programme Requirement, student a as specified by the Faculty can take the following stream offered by the ce, Technology And Research Stream nts are required to complete a minimum of 12 units of courses as follow Required Courses: One Faculty Package Course: Choose from the two remaining groups of the Faculty Package that have not been used to fulfill the Faculty Package Requirement Research Courses: STAR2000, 3000, 4000[b] Seminar Courses: STAR2050, 3050, 4050	s meeting the le Faculty: s: 3 6
criteri Scien Stude [. (a) (b) (c)	4913#, MBTE4320#, 4510#, 4520#, 4530#, STAT3210# Total: dition to fulfilling the above Major Programme Requirement, student a as specified by the Faculty can take the following stream offered by th ce, Technology And Research Stream nts are required to complete a minimum of 12 units of courses as follow Required Courses: One Faculty Package Course: Choose from the two remaining groups of the Faculty Package that have not been used to fulfill the Faculty Package Requirement Research Courses: STAR2000, 3000, 4000[b] Seminar Courses: STAR2050, 3050, 4050 Experiential Learning:	s meeting the le Faculty: s: 3 6
eriteri Scien Stude 1.	4913#, MBTE4320#, 4510#, 4520#, 4530#, STAT3210# Total: dition to fulfilling the above Major Programme Requirement, student a as specified by the Faculty can take the following stream offered by the ce, Technology And Research Stream nts are required to complete a minimum of 12 units of courses as follow Required Courses: One Faculty Package Course: Choose from the two remaining groups of the Faculty Package that have not been used to fulfill the Faculty Package Requirement Research Courses: STAR2000, 3000, 4000[b] Seminar Courses: STAR2050, 3050, 4050	s meeting the le Faculty: s: 3 6

- 1. CMBI courses at 2000 and above level as well as those labeled as # will be included in the calculation of Major GPA for honours classification.
 - [a] Study Option: Berkeley Biosciences Study Abroad Programme
 Students who undergo one term of studies at the University of California, Berkeley,
 USA will take courses offered by the Berkeley Biosciences Study Abroad
 Programme. Units obtained from the Programme will be recognized as up to 12
 units of Major Programme requirement. This option will be recorded on transcript.
 - [b] Students may select research-oriented course(s), as approved by the Major Programme, to substitute up to 4 units for fulfillment of Research Courses requirement.
 - [c] Students must complete any exchange/research/internship programme(s) offered by the University, Colleges, the Faculty of Science or Major Programme, as approved by the Major Programme, to fulfill the Experiential Learning requirement. Students are responsible for the extra costs incurred in the exchange/research/internship programme(s).

Cell and Molecul	lar Biology	
	Recommended Course Pattern	Units
First Year of	1 st term	
Attendance	Faculty Package: CHEM1280 and LSCI1002	6
	Major Required:	
	Major Elective(s):	
	2 nd term	
	Faculty Package: 1 course from Faculty Package	3
	Major Required:	
	Major Elective(s):	
Second Year of	1 st term	
Attendance	Major Required: BCHE2030, BIOL2120, LSCI2002	8
	Major Elective(s):	
	2 nd term	
	Major Required: BCHE3050, 3070, BIOL2313, 2410, CMBI2200	8
	Major Elective(s):	
Third Year of	1 st term	
Attendance	Major Required: CMBI3010, 3030, 3100	6
	Major Elective(s):	
	2 nd term	
	Major Required: CMBI3020, 3040, 3101, 3200	9
	Major Elective(s):	
	Summer session	
	Major Elective(s): CMBI4901	2
Fourth Year of	1 st term	
Attendance	Major Required: CMBI4001, 4002, 4003, 4201, 4202, 4203	6
	Major Elective(s): 1 course	2-3
	2 nd term	
	Major Required: CMBI4101, 4102, 4103, 4301, 4302, 4303	6
	Major Elective(s): 1 course	2-3
	Total (including Faculty Package):	58

Cell and Molecul	ar Biology — Science, Technology And Research Stream (STARS)	
	Recommended Course Pattern	Units
First Year of	1 st term	
Attendance	Faculty Package: two courses	6
	Major Required:	
	Major Elective(s):	
	2 nd term	
	Faculty Package: two courses	6
	Major Required:	
	Major Elective(s):	
	STARS: STAR2050	0-1
	Summer session	
	STARS: STAR2050 (if not taken)	0-1
Second Year of	1 st term	
Attendance	Major Required: BCHE2030, BIOL2120, LSCI2002	8
	Major Elective(s):	
	STARS: STAR2000 or 3050	1
	2 nd term	
	Major Required: BCHE3050, 3070, BIOL2313, 2410, CMBI2200	8
	Major Elective(s):	
	STARS: STAR2000 (if not taken) or 3050 (if not taken)	1
Third Year of	1 st term	
Attendance	Major Required: CMBI3010, 3030, 3100	6
	Major Elective(s):	0
	STARS: STAR3000 or 4050	1-2
	2 nd term	
	Major Required: CMBI3020, 3040, 3101, 3200	9
	Major Elective(s):	,
	STARS: STAR3000 (if not taken) or 4050 (if not taken)	1-2
	Summer session	12
	Major Elective(s): CMBI4901	2
Fourth Year of	1 st term	<i>L</i>
Attendance	Major Required: CMBI4001, 4002, 4003, 4201, 4202, 4203	6
	Major Elective(s): 1 course or CMBI4902 [@]	2-3
	2 nd term	2-3
		C
	Major Required: CMBI4101, 4102, 4103, 4301, 4302, 4303	6 2-3
	Major Elective(s): 1 course or CMBI4903 [@]	
	Total (including Faculty Package):	67

[@] Students may take CMBI4902 and 4903 as a substitute for STAR4000.

Minor I	rogramme Title	
Cell and	Molecular Biology	
Min	or Programme Requirement	
Stuc	ents are required to complete a minimum of 22 units of courses as follows:	Units
1.	Required Courses:	22
	BCHE3050, BIOL2120, 2410, CMBI3101, 4001, 4002, 4003, 4101, 4102,	
	4103, 4201, 4202, 4203, 4301, 4302, 4303	
	Total:	22

Course List				
Course Code	Course	Unit(s)		
CMBI2200	Literature survey in CMB and Scientific Communication	2		
CMBI2500	Research Internship	2		
CMBI3010	CMB Laboratory I	3		
CMBI3020	CMB Laboratory II	3		
CMBI3030	CMB Laboratory III	1		
CMBI3040	CMB Laboratory IV	1		
CMBI3100	Methodology of Critical Thinking in CMB	2		
CMBI3101	Biology of Model Organisms for CMB Research	3		
CMBI3200	Proposal Formulation and Creative Scientific Writing in CMB	2		
CMBI4001	Protein Trafficking	1		
CMBI4002	Protein Folding	1		
CMBI4003	Signal Transduction	1		
CMBI4101	Cancer Cell Biology	1		
CMBI4102	Stem Cell Biology	1		
CMBI4103	Neuronal Cell Biology	1		
CMBI4201	Genomics and Transcriptomics	1		
CMBI4202	Proteomics	1		
CMBI4203	Metabolomics	1		
CMBI4301	Current Topics in Cell Biology	1		
CMBI4302	Current Topics in Molecular Biology	1		
CMBI4303	Current Topics in Biotechniques	1		
CMBI4901	Senior Experimental Project I	2		
CMBI4902	Senior Experimental Project II	2		
CMBI4903	Senior Experimental Project III	2		
STAR2000	Undergraduate Research in Science I	1		
STAR2050	Seminar I	1		
STAR3000	Undergraduate Research in Science II	2		
STAR3050	Seminar II	1		
STAR4000	Undergraduate Research in Science III	3		
STAR4050	Seminar III	1		