

Appendix 1a - Mandatory Module and Examination Plan for World Track

Biochemistry and Cell Biology – World Track													
Matriculation Fall 2018													
Program-Specific Modules					Jacobs Track Modules (General Education)								
Type	Status ¹	Semester	Credits		Type	Status ¹	Semester	Credits					
Year 1 - CHOICE				45					20				
<i>Take the two mandatory CHOICE modules listed below, these are a requirement for the BCCB program.</i>													
CH02-BioChem	Module: Biochemistry and Molecular Biology			m	15	JT-ME-MethodsMath	Module: Methods / Mathematics			m	7,5		
CH02-520101	General Biochemistry and Molecular Biology I	Lecture	m	1	5	JT-ME-120106	Applied Calculus I	Lecture	m	1	2,5		
CH02-520111	General Biochemistry and Molecular Biology I Lab	Lab	m	1	2,5	JT-ME-120107	Applied Calculus II	Lecture	m	1	2,5		
CH02-520201	General Biochemistry and Molecular Biology II	Lecture	m	2	5	JT-ME-120101	Mathematical Concepts in the Sciences	Lecture	m	2	2,5		
CH02-520121	General Biochemistry and Molecular Biology II Lab	Lab	m	2	2,5	JT-SK-Skills	Module: Skills			m	2,5		
CH01-CellBio	Module: Cell Biology			m	15	JT-SK-990103	Scientific and Experimental Skills	Lecture	m	1	2,5		
CH01-520122	From Cells to Tissues and Body Functions	Lecture	m	1	5	JT-TA-TriArea	Module: Triangle Area			m	5		
CH01-520123	General (Cell) Biology Lab	Lab	m	1	2,5		Take two courses from the triangle (BUSINESS, TECHNOLOGY & INNOVATION, SOCIETAL CONTEXT) area. Each counts 2,5 ECTS ³			me	1/2	5	
CH01-520102	General Molecular Cell Biology	Lecture	m	2	5	JT-LA-Language	Module: Language			m	5		
CH01-520112	General Molecular Cell Biology Lab	Lab	m	2	2,5		Take two German courses (2,5 ECTS each). Native German speakers take courses in another offered language			Seminar	me	1/2	5
	Module: CHOICE (own selection)			e	1/2	15	CA01-CarAdv	Career Advising⁴					
<i>Students take one further CHOICE module from those offered for all other study programs. ²</i>													
Year 2 - CORE				45					20				
<i>Take all three modules or replace one with a CORE module from a different study program. ²</i>													
CO03-MolBio	Module: Molecular Biology			me	15	JT-ME-MethodsMath	Module: Methods / Mathematics			m	7,5		
CO03-520224	Molecular Information Pathways	Lecture	m	3	5		Take three Methods (mandatory) elective courses (2,5 ECTS each). ²			Lecture	me	3/4	7,5
CO03-530661	Molecular Evolution	Lecture	m	4	5	JT-TA-TriArea	Module: Triangle Area			m	7,5		
CO03-520225	Molecular Biology Lab	Lab	m	3	5		Take three courses from the triangle (BUSINESS, TECHNOLOGY & INNOVATION, SOCIETAL CONTEXT) area. Each counts 2,5 ECTS ³			me	3/4	7,5	
CO02-InflImm	Module: Infection and Immunity			me	15	JT-LA-Language	Module: Language			m	5		
CO02-520233	Microbes and Infection	Lecture	m	3	5		Take two German courses (2,5 ECTS each). Native German speakers take courses in another offered language			Seminar	me	3/4	5
CO02-520322	Immunology	Lecture	m	4	5	CA01-CarAdv	Career Advising⁴						
CO02-520221	Microbiology Lab	Lab	m	4	5								
CO01-Biomed	Module: Biomedicine			me	15								
CO01-520234	Advanced Molecular Cell Biology	Lecture	m	3	5								
CO01-520235	Molecular Mechanisms of Disease, Diagnostics and Therapy	Lecture	m	4	5								
CO01-520241	Advanced Molecular Cell Biology Lab (Intersession)	Lab	m	3	5								
Year 3 - CAREER				45					5				
CA02 / CA03	Module: Internship / Study Abroad			m	5	20	JT-SK-Skills	Module: Skills			m	2,5	
CA05-BCCB	Module: Project/Thesis BCCB			m	15		JT-SK-990104	Advanced Scientific and Experimental Skills	Lecture	m	6	2,5	
CA05-520305	Project BCCB		m	6	5	JT-TA-TriArea	Module: Triangle Area			m	2,5		
CA05-520306	Thesis BCCB		m	6	10		Take one course from the triangle (BUSINESS, TECHNOLOGY & INNOVATION, SOCIETAL CONTEXT) area. Each counts 2,5 ECTS ³			me	6	2,5	
CAS-WT-BCCB	Module: Specialization Area BCCB			m	10		CA01-CarAdv	Career Advising⁴					
	Take 10 ECTS of specialization courses ²			me	5/6	10							
Total ECTS									180				

¹ Status (m = mandatory, e = elective, me = mandatory elective)

² For a full listing of all CHOICE / CORE / CAREER / Jacobs Track modules please consult the **CampusNet online catalogue** and / or the module handbook (on our website).

³ You are required to take six Triangle Area courses in total. Select two from each of the three triangle areas (BUSINESS, TECHNOLOGY & INNOVATION, SOCIETAL CONTEXT).

⁴ Mandatory component of the Jacobs University's Counseling and Advising Scheme.

Appendix 1b - Mandatory Module and Examination Plan for Campus Track

Biochemistry and Cell Biology – Campus Track													
Matriculation Fall 2018													
Program-Specific Modules					Jacobs Track Modules (General Education)								
Type	Status ¹	Semester	Credits		Type	Status ¹	Semester	Credits					
Year 1 - CHOICE				45					20				
<i>Take the two mandatory CHOICE modules listed below, these are a requirement for the BCCB program.</i>													
CH02-BioChem	Module: Biochemistry and Molecular Biology			m	15	JT-ME-MethodsMath	Module: Methods / Mathematics			m	7,5		
CH02-520101	General Biochemistry and Molecular Biology I	Lecture	m	1	5	JT-ME-120106	Applied Calculus I	Lecture	m	1	2,5		
CH02-520111	General Biochemistry and Molecular Biology I Lab	Lab	m	1	2,5	JT-ME-120107	Applied Calculus II	Lecture	m	1	2,5		
CH02-520201	General Biochemistry and Molecular Biology II	Lecture	m	2	5	JT-ME-120101	Mathematical Concepts in the Sciences	Lecture	m	2	2,5		
CH02-520121	General Biochemistry and Molecular Biology II Lab	Lab	m	2	2,5	JT-SK-Skills	Module: Skills			m	2,5		
CH01-CellBio	Module: Cell Biology			m	15	JT-SK-990103	Scientific and Experimental Skills	Lecture	m	1	2,5		
CH01-520122	From Cells to Tissues and Body Functions	Lecture	m	1	5	JT-TA-TriArea	Module: Triangle Area			m	5		
CH01-520123	General (Cell) Biology Lab	Lab	m	1	2,5		Take two courses from the triangle (BUSINESS, TECHNOLOGY & INNOVATION, SOCIETAL CONTEXT) area. Each counts 2,5 ECTS ³			me	1/2	5	
CH01-520102	General Molecular Cell Biology	Lecture	m	2	5	JT-LA-Language	Module: Language			m	5		
CH01-520112	General Molecular Cell Biology Lab	Lab	m	2	2,5		Take two German courses (2,5 ECTS each). Native German speakers take courses in another offered language			Seminar	me	1/2	5
	Module: CHOICE (own selection)			e	1/2	15	CA01-CarAdv	Career Advising⁴					
<i>Students take one further CHOICE module from those offered for all other study programs. ²</i>													
Year 2 - CORE				45					20				
<i>Take all three modules or replace one with a CORE module from a different study program. ²</i>													
CO03-MolBio	Module: Molecular Biology			me	15	JT-ME-MethodsMath	Module: Methods / Mathematics			m	7,5		
CO03-520224	Molecular Information Pathways	Lecture	m	3	5		Take three Methods (mandatory) elective courses (2,5 ECTS each). ²			Lecture	me	3/4	7,5
CO03-530661	Molecular Evolution	Lecture	m	4	5	JT-TA-TriArea	Module: Triangle Area			m	7,5		
CO03-520225	Molecular Biology Lab	Lab	m	3	5		Take three courses from the triangle (BUSINESS, TECHNOLOGY & INNOVATION, SOCIETAL CONTEXT) area. Each counts 2,5 ECTS ³			me	3/4	7,5	
CO02-InflImm	Module: Infection and Immunity			me	15	JT-LA-Language	Module: Language			m	5		
CO02-520233	Microbes and Infection	Lecture	m	3	5		Take two German courses (2,5 ECTS each). Native German speakers take courses in another offered language			Seminar	me	3/4	5
CO02-520322	Immunology	Lecture	m	4	5	CA01-CarAdv	Career Advising⁴						
CO02-520221	Microbiology Lab	Lab	m	4	5								
CO01-Biomed	Module: Biomedicine			me	15								
CO01-520234	Advanced Molecular Cell Biology	Lecture	m	3	5								
CO01-520235	Molecular Mechanisms of Disease, Diagnostics and Therapy	Lecture	m	4	5								
CO01-520241	Advanced Molecular Cell Biology Lab (Intersession)	Lab	m	3	5								
Year 3 - CAREER				45					5				
COXX	Module: Additional (4th) CORE module			m	5/6	15	JT-SK-Skills	Module: Skills			m	2,5	
CA05-BCCB	Module: Project/Thesis BCCB			m	15		JT-SK-990104	Advanced Scientific and Experimental Skills	Lecture	m	6	2,5	
CA05-520305	Project BCCB		m	5	5	JT-TA-TriArea	Module: Triangle Area			m	2,5		
CA05-520306	Thesis BCCB		m	6	10		Take one course from the triangle (BUSINESS, TECHNOLOGY & INNOVATION, SOCIETAL CONTEXT) area. Each counts 2,5 ECTS ³			me	5	2,5	
CAS-CT-BCCB	Module: Specialization Area BCCB			m	15	CA01-CarAdv	Career Advising⁴						
	Take 15 ECTS of specialization courses ²			me	5/6	15							
Total ECTS									180				

¹ Status (m = mandatory, e = elective, me = mandatory elective)

² For a full listing of all CHOICE / CORE / CAREER / Jacobs Track modules please consult the **CampusNet online catalogue** and / or the module handbook (on our website).

³ You are required to take six Triangle Area courses in total. Select two from each of the three triangle areas (BUSINESS, TECHNOLOGY & INNOVATION, SOCIETAL CONTEXT).

⁴ Mandatory component of the Jacobs University's Counseling and Advising Scheme.