

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

Program-Specific Modules						Jacobs Track Modules (General Education)						
Type	Status <sup>1</sup>	Semester	Credits	Type	Status <sup>1</sup>	Semester	Credits	Type	Status <sup>1</sup>	Semester	Credits	
<b>Year 1 - CHOICE</b>						<b>Year 1 - CHOICE</b>					<b>45</b>	<b>20</b>
<i>Take the two mandatory CHOICE modules listed below, these are a requirement for the BCCB program.</i>												
<b>CH02-BioChem</b>	<b>Module: Biochemistry and Molecular Biology</b>		<b>m</b>	<b>15</b>	<b>JT-ME-MethodsMath</b>	<b>Module: Methods / Mathematics</b>		<b>m</b>	<b>7,5</b>			
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	<b>JT-SK-Skills</b>	<b>Module: Skills</b>		<b>m</b>	<b>2,5</b>		
<b>CH01-CellBio</b>	<b>Module: Cell Biology</b>		<b>m</b>	<b>15</b>		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	<b>JT-TA-TriArea</b>	<b>Module: Triangle Area</b>		<b>m</b>	<b>5</b>		
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 <sup>3</sup>						
CH01-520102	General Molecular Cell Biology	Lecture	m	2	5	<b>JT-LA-Language</b>	<b>Module: Language</b>		<b>m</b>	<b>5</b>		
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						
<b>Module: CHOICE (own selection)</b>			<b>e</b>	<b>1/2</b>	<b>15</b>	<b>CA01-CarAdv</b>	<b>Career Advising<sup>4</sup></b>					
<i>Students take one further CHOICE module from those offered for all other study programs. <sup>2</sup></i>												
<b>Year 2 - CORE</b>						<b>Year 2 - CORE</b>					<b>45</b>	<b>20</b>
<i>Take all three modules or replace one with a CORE module from a different study program. <sup>2</sup></i>												
<b>CO03-MolBio</b>	<b>Module: Molecular Biology</b>		<b>me</b>	<b>15</b>		<b>JT-ME-MethodsMath</b>	<b>Module: Methods / Mathematics</b>		<b>m</b>	<b>7,5</b>		
CO03-520224	Molecular Information Pathways	Lecture	m	3	5	Take three Methods (mandatory) elective courses (2,5 ECTS each). <sup>2</sup>						
CO03-530661	Molecular Evolution	Lecture	m	4	5	<b>JT-TA-TriArea</b>	<b>Module: Triangle Area</b>		<b>m</b>	<b>7,5</b>		
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 <sup>3</sup>						
<b>CO02-InflImm</b>	<b>Module: Infection and Immunity</b>		<b>me</b>	<b>15</b>		<b>JT-LA-Language</b>	<b>Module: Language</b>		<b>m</b>	<b>5</b>		
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						
CO02-520322	Immunology	Lecture	m	4	5	<b>CA01-CarAdv</b>	<b>Career Advising<sup>4</sup></b>					
CO02-520221	Microbiology Lab	Lab	m	4	5							
<b>CO01-Biomed</b>	<b>Module: Biomedicine</b>		<b>me</b>	<b>15</b>								
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							
<b>Year 3 - CAREER</b>						<b>Year 3 - CAREER</b>					<b>45</b>	<b>5</b>
<b>CA02 / CA03</b>	<b>Module: Internship / Study Abroad</b>		<b>m</b>	<b>5</b>	<b>20</b>	<b>JT-SK-Skills</b>	<b>Module: Skills</b>		<b>m</b>	<b>2,5</b>		
<b>CA05-BCCB</b>	<b>Module: Project/Thesis BCCB</b>		<b>m</b>	<b>15</b>		JT-SK-990104	Advanced Scientific and Experimental Skills	Lecture	m	6	2,5	
CA05-520305	Project BCCB	m	m	6	5	<b>JT-TA-TriArea</b>	<b>Module: Triangle Area</b>		<b>m</b>	<b>2,5</b>		
CA05-520306	Thesis BCCB	m	m	6	10	Take one course from the triangle (BUSINESS, TECHNOLOGY & INNOVATION, SOCIETAL CONTEXT) area. Each counts 2,5 ECTS <sup>3</sup>						
<b>CAS-WT-BCCB</b>	<b>Module: Specialization Area BCCB</b>		<b>m</b>	<b>10</b>		<b>CA01-CarAdv</b>	<b>Career Advising<sup>4</sup></b>					
Take four specialization courses (2,5 ECTS each) <sup>2</sup>			<b>me</b>	<b>5/6</b>	<b>10</b>							
<b>Total ECTS</b>											<b>180</b>	

<sup>1</sup> Status (m = mandatory, e = elective, me = mandatory elective)

<sup>2</sup> 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).

<sup>3</sup> 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).

<sup>4</sup> 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 2017

Program-Specific Modules	Type	Status <sup>1</sup>	Semester	Credits	Jacobs Track Modules (General Education)	Type	Status <sup>1</sup>	Semester	Credits		
<b>Year 1 - CHOICE</b>	<b>45</b>				<b>Year 1 - CHOICE</b>	<b>20</b>					
<i>Take the two mandatory CHOICE modules listed below, these are a requirement for the BCCB program.</i>											
<b>CH02-BioChem</b>	<b>Module: Biochemistry and Molecular Biology</b>		<b>m</b>	<b>15</b>	<b>JT-ME-MethodsMath</b>	<b>Module: Methods / Mathematics</b>		<b>m</b>	<b>7,5</b>		
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	<b>JT-SK-Skills</b>	<b>Module: Skills</b>		<b>m</b>	<b>2,5</b>	
<b>CH01-CellBio</b>	<b>Module: Cell Biology</b>		<b>m</b>	<b>15</b>	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	<b>JT-TA-TriArea</b>	<b>Module: Triangle Area</b>		<b>m</b>	<b>5</b>	
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 <sup>3</sup>					
CH01-520102	General Molecular Cell Biology	Lecture	m	2	5	<b>JT-LA-Language</b>	<b>Module: Language</b>		<b>m</b>	<b>5</b>	
CH01-520112	General Molecular Cell Biology Lab	Lab	m	2	2,5	Take two German courses (2,5 ECTS each). Seminar me 1/2 5					
<b>Module: CHOICE (own selection)</b>			<b>e</b>	<b>1/2</b>	<b>15</b>	CA01-CarAdv	<b>Career Advising<sup>4</sup></b>				
<i>Students take one further CHOICE module from those offered for all other study programs.<sup>2</sup></i>											
<b>Year 2 - CORE</b>	<b>45</b>				<b>Year 2 - CORE</b>	<b>20</b>					
<i>Take all three modules or replace one with a CORE module from a different study program.<sup>2</sup></i>											
<b>CO03-MolBio</b>	<b>Module: Molecular Biology</b>		<b>me</b>	<b>15</b>	<b>JT-ME-MethodsMath</b>	<b>Module: Methods / Mathematics</b>		<b>m</b>	<b>7,5</b>		
CO03-520224	Molecular Information Pathways	Lecture	m	3	5	Take three Methods (mandatory) elective courses (2,5 ECTS each). <sup>2</sup> Lecture me 3/4 7,5					
CO03-530661	Molecular Evolution	Lecture	m	4	5	<b>JT-TA-TriArea</b>	<b>Module: Triangle Area</b>		<b>m</b>	<b>7,5</b>	
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 <sup>3</sup>					
<b>CO02-InflImm</b>	<b>Module: Infection and Immunity</b>		<b>me</b>	<b>15</b>	<b>JT-LA-Language</b>	<b>Module: Language</b>		<b>m</b>	<b>5</b>		
CO02-520233	Microbes and Infection	Lecture	m	3	5	Take two German courses (2,5 ECTS each). Seminar me 3/4 5					
CO02-520322	Immunology	Lecture	m	4	5	CA01-CarAdv	<b>Career Advising<sup>4</sup></b>				
CO02-520221	Microbiology Lab	Lab	m	4	5						
<b>CO01-Biomed</b>	<b>Module: Biomedicine</b>		<b>me</b>	<b>15</b>							
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						
<b>Year 3 - CAREER</b>	<b>45</b>				<b>Year 3 - CAREER</b>	<b>5</b>					
<b>COXX</b>	<b>Module: Additional (4th) CORE module</b>		<b>m</b>	<b>5/6</b>	<b>15</b>	<b>JT-SK-Skills</b>	<b>Module: Skills</b>		<b>m</b>	<b>2,5</b>	
<b>CA05-BCCB</b>	<b>Module: Project/Thesis BCCB</b>		<b>m</b>	<b>5</b>	<b>15</b>	JT-SK-990104	Advanced Scientific and Experimental Skills	Lecture	m	6	2,5
CA05-520305	Project BCCB	m	5	5	<b>JT-TA-TriArea</b>	<b>Module: Triangle Area</b>		<b>m</b>	<b>2,5</b>		
CA05-520306	Thesis BCCB	m	6	10	Take one course from the triangle (BUSINESS, TECHNOLOGY & INNOVATION, SOCIETAL CONTEXT) area. Each counts 2,5 ECTS <sup>3</sup>						
<b>CAS-CT-BCCB</b>	<b>Module: Specialization Area BCCB</b>		<b>m</b>	<b>15</b>	<b>CA01-CarAdv</b>	<b>Career Advising<sup>4</sup></b>					
Take six specialization courses (2.5 ECTS each) <sup>2</sup>			<b>me</b>	<b>5/6</b>	<b>15</b>						
<b>Total ECTS</b>										<b>180</b>	

<sup>1</sup> Status (m = mandatory, e = elective, me = mandatory elective)

<sup>2</sup> 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).

<sup>3</sup> 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).

<sup>4</sup> Mandatory component of the Jacobs University's Counseling and Advising Scheme.