

## Bioinformatics and Systems Biology Master's Program

Course	Term number	ECTS credits
<b>General Courses</b>		
Methodology of Project Management (Entrepreneurial Culture)	1	4
English for Specific Purposes	1, 2	4
Elective course Soft Skills  - Business Negotiations, Conflict Management and Influence Techniques  - Emotional Intelligence  - Business and Scientific Ethics, Scientific Research Arrangement  - Personal Effectiveness and Time Management  - Internationalization of Scientific Research  - Effective Team Management	1	4
<b>Core Courses</b>		
Data Analysis	1	3
Machine Learning and Applied Artificial Intelligence	2	3
Programming and Software Development	1, 2	6
High Performance Computing	2	3

Systems Biology	2	5
Applied Statistics	1, 2	6
Population and Medical Genetics	2	4
<b>Major 1 Bioinformatics for Purposes of Biology and Medicine</b>		
Metagenomics	3	4
Molecular phylogenetics	3	5
Biotechnology	3	4
Structural Bioinformatics	3	5
<b>Practical Training</b>		
Practical Training (Journal Club)	1, 2, 3	24
Practical Training (Research Project)	3, 4	21
Practical Training for Master's Thesis	4	9
<b>Master's Thesis</b>		
Master's Thesis	4	6
<b>Total:</b>		<b>120</b>