

Curriculum system and teaching contents of Biomedical Science

Year 1	General education	<p>General education and professional foundation courses</p> <p>Humanities and social sciences, natural sciences, Introduction to Biomedical Sciences, Life Physics/Chemistry Experiment, Introduction to laboratory safety, Academic Norms and Medical Ethics, Oversea study tour</p>	<p style="writing-mode: vertical-rl; text-orientation: upright;">Strengthening Mathematics, physics, chemistry, biology and Deepening "New Medical Sciences"</p> <p style="writing-mode: vertical-rl; text-orientation: upright;">Interpenetration of scientific research training and professional frontier</p> <p style="writing-mode: vertical-rl; text-orientation: upright;">Cultivation of Humanism and Professionalism</p>
Year 2	Professional basis	<p>Data Sciences and Life Sciences</p> <p>Probability, Introduction to Data Structures and Algorithms, Principles and Applications of Machine Learning, Biophysics, Modeling and Systems Biology, Biochemistry, Literature Review, Cell Biology, Structure and Functions of Human Body, Genetics, Applied Data Science, Research Project 1, Biology Laboratory, Physiological Metabolism/Bioinformatics and Data Sciences/Molecular Cell Biology Experiments</p>	
Year 3	Biomedical sciences	<p>Integrated basic-medicine courses and basic clinical-medicine knowledge</p> <p>Foundation of disease (1), Foundation of disease (2), Introduction to Clinical Medicine, Experimental zoology, Medical Statistics, Research Project 2, Medicine Frontier (21 Innovation Forum), Advanced Immunology, Cancer biology, Neurobiology, Big Data Analysis, Oncology Experiment/Medical Systems Biology Experiment</p>	
Year 4		<p>Professional comprehensive training</p> <p>Graduation Project (Thesis) (Biomedical Sciences)</p>	