

COURSES

1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester	7th semester	8th semester	9th semester
Differential Calculus 7c	Integral Calculus 7c	Algorithms and Programming 6c	Differential Equations 7c	Integral Transforms 7c	Structured Programming with Microcontrollers 6c	Embedded Systems for Biomedical Engineering 6c	Hospital Infrastructure 3c	Technological Innovation 6c
General Chemistry 7c	General Physics 9c	Multivariate Calculus 9c	Thermodynamics 8c	Applied Biostatistics 7c	Digital Circuits I 6c	Biomechanics 6c	Dynamics and Control of Biomedical Systems 7c	BioMEMS and BioNEMS 4c
Higher Mathematics 7c	Musculoskeletal Anatomy 9c	Electrical Circuits I 6c	Cell Physiology and Biology 9c	General Biology 9c	Bioinstrumentation 6c	Social Responsibility and Sustainability 6c	Orthopedics and Rehabilitation 6c	Bioinformatics 6c
Anatomy 9c	Statics 9c	Dynamics 9c	Numerical Methods 7c	Medical Physics 4c	Electronics for Biomedical Engineering 6c	Medical Imaging 6c	Entrepreneurship and Innovation 6c	Clinical Engineering 7c
Applied Biophysics 6c	Human Physiology 9c	Linear Algebra 7c	Modern Physics 6c	Fundamentals of Semiconductors 6c	Digital Signal Processing 6c	Design of Biomedical Systems 6c	Practicum II Design and Development of Biomedical Systems 6c	Practicum III Development of Biomedical Projects and Companies 7c
Introduction to Bioengineering 3c	Organic Chemistry in the Study of Biological 7c	Materials Engineering 6c	General Biochemistry 6c	Workshop or Activity I 6c	Biomaterials 6c	Professional Elective I 6c	Professional Elective II 6c	Professional Elective III 6c
Being University Student		Leadership 6c	Person and Meaning of Life 6c	Ethic 9c	Practicum I Biomedical Research 6c	Workshop or Activity II 3c	Workshop or Activity III 3c	Professional Elective IV 6c
					General Elective I 6c	Person and Transcendence 6c	Classical and Contemporary Humanism 9c	General Elective II 6c

C= Credits

335 Professional Block credits + 42 Anáhuac Block credits + 45 Elective Block credits = 422 total credits

*This reference plan is a suggestion of the order in which you can take the subjects; however, you can make the necessary adjustments to best fit your study plans. In its design, the faculty considered the complexity and progression of the subjects' contents.