

List of courses that cannot be taken as electives by students in the bachelors Biomedical Engineering and Medical Sciences and Technology AR 2024-2025

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NOTE: This list is not exhaustive. We advise students to check the course description in Osiris and the overlap in content with core courses. In case of doubts, always contact your academic advisor.

The examination committee will check your study package when you submit your program through the PlanApp. We advise you to do this, before starting your second year and with every change of your plans.

Excluded Electives		Overlap course	
Code	Course name	Code	Course name
0HV120	Programming for P&T	8BA080	Programming for data analytics
1BK50	Algorithmic programming for operations management	8BA080	Programming for data analytics
1BV30	Fundamentals of algorithmic programming for Operations Management	8BA080	Programming for data analytics
2DB03	Calculus	2WBB0	Calculus
2DBA0	Matrices and differential equations	8BA060	Linear Algebra & multivariable calculus
2DBI00	Linear algebra and applications	8BA060	Linear Algebra & multivariable calculus
2DL40	Advanced Calculus 1	8BA060	Linear Algebra & multivariable calculus
2IIG0	Data mining and machine learning	8BB020	Introduction machine learning
2IIG5	Data mining and machine learning - BE	8BB020	Introduction machine learning
2IP90	Programming	8BA080	Programming for data analytics
2MBA20	Linear algebra 1	8BA060	Linear Algebra & multivariable calculus
2WAB0	Calculus	2WBB0	Calculus
2WAC0	Calculus	2WBB0	Calculus
31IAP	Introduction to applied physics	8BA030	Physics for BME
31ILS	Introduction to laboratory skills	8BA050	Skills experience
31LAL	Linear algebra	8BA060	Linear Algebra & multivariable calculus
31MCA	Multivariable Calculus	8BA060	Linear Algebra & multivariable calculus
31MEC	Mechanics	8BA090	Biomechanics
31PAP	Programming for AP	8BA080	Programming for data analytics
3CTX0	Physics of transport phenomena	8BB060	Flow and Diffusion
3EBX0	Machine learning in science	8BB020	Introduction machine learning
3PHYS	Physics for Engineers	8BA030	Physics for BME
4DA00	Dynamics	8BA060	Linear Algebra & multivariable calculus
4DA00	Dynamics	8BB010	Dynamic Systems
4EB00	Thermodynamics	8BB040	Thermodynamics
4MA00	Structure and properties of materials	8BA110	Material Science
4MB00	Solid mechanics	8BA090	Biomechanics
4MC10	Computational mechanics	8BB070	Numerical Analysis of Continua
4PB00	Heat and Flow	8BB060	Flow and Diffusion
4RA00	Mechanics	8BA090	Biomechanics
4RA10	Introduction transport phenomena	8BB060	Flow and Diffusion
5EPD0	Physics for EE	8BA030	Physics for BME
5EPE0	Physics for AT	8BA030	Physics for BME
5XSA0	Introduction medical image processing	8BB050	Imaging
5XSLO	Fundamentals of machine learning	8BB020	Introduction machine learning

6BBR01	Introduction to Molecules and Processes	8BA010	Introduction organic chemistry
6BBR02	Introduction to Practical and Inorganic Chemistry	8BA050	Skills Experience
6BBR03	Calculus for CE&C	2WBB0	Calculus
6BBR04	Introduction to Thermodynamics and Chemical Bonding	8BB040	Thermodynamics
6BBR05	Advanced Calculus for CE&C	8BA060	Linear Algebra & multivariable calculus
6BBR06	Programming and Linear Algebra	8BA060; 8BA080	Linear Algebra & multivariable calculus; Programming for data analytics
6BMR01	Organic Chemistry 1	8BM030	Bio-organic chemistry
6BMR02	Organic Chemistry 2	8BM030	Bio-organic chemistry
6BMR03	Materials Science 1	8BA110	Material Science
6BMR04	Biochemistry and technology	8BA040	Biochemistry
6BMR06	Materials Science 2	8BE010	Electromagnetism
6BPR01	Physical transport phenomena 1	8BB060	Flow and Diffusion
6BPR02	Physical Transport Phenomena 2	8BB060	Flow and Diffusion
JBIO10	Programming	8BA080	Programming for data analytics