



**ENGINEERING
and TECHNOLOGY**
University of NORTH ALABAMA

B.S. in Engineering Technology

Bio-Engineering Option

Suggested Four-Year Schedule for 2021-22 Admission

FALL SEMESTER

SPRING SEMESTER

	COURSE NO.	COURSE NAME	CR		COURSE NO.	COURSE NAME	CR
Year 1	CS 135	Computer Skills for Problem Solving	3		BI 111	Principles of Biology	4
	EN 111	English Composition I	3		ET 100	Introduction to Engineering & Technology	3
	MA 115	Pre-Calculus Algebra and Trigonometry	4		EN 112	English Composition II	3
	CH 111/ CH 111L	General Chemistry I	4		HI 101 <u>or</u> HI 201	General Education Area IV - history sequence	3
	FYE 101	First-Year Experience	1		COM 201	Fundamentals of Speech	3
			15				16
Year 2	BI 112	Principles of Biology	4		CH 112/ CH 112L	General Chemistry II	4
	GenEd	Area II - Fine Arts	3		MA 126 <u>or</u> MA 122	Calculus II <u>or</u> Calculus for Business and Life Sciences II	3-4
	MA 125 <u>or</u> MA 121	Calculus I <u>or</u> Calculus for Business and Life Sciences I	3-4		CS 155	Computer Science I	3
	PH 241 <u>or</u> PH 251	General Physics I <u>or</u> Technical Physics I	4-5			Elective	1
	ET 202	Intro. to Bio-Engineering and Computational Tools	2		COM 205	Communications in a Global Age	3
				16-18			
Year 3	BI 306	Genetics	4		ET 302	Bioprocess Eng., Manufacturing, & Env. Technology	5
	ET 301	Mass and Energy Balance	3		ET 304	BioReactor Design	3
	BI 307	Microbiology	4		BI 406	Microbial Ecology and Evolution	4
	PHL 205 <u>or</u> PHL 250	Ethics <u>or</u> Business Ethics	3		ET 370	Economics and Product Design	3
		Elective	1				15
				15			
Year 4	ET 415	Molecular Biology for Engineers	4		MA 345	Applied Statistics I	3
	HI 102 <u>or</u> HI 202	General Education Area IV - history sequence	3		EN 232	Literature of the World II	3
	OHS 301	Occupational Safety and Health	3		SO 222	Current Social Problems	3
	ET 495W	Engineering Technology Capstone	4			Electives	6
				14			15
							120

Please note this plan is subject to change and users should refer to the Undergraduate Catalog for details