



Frederick Community College Pathway to Biocomputational Engineering

ADMISSIONS INFORMATION

Students are encouraged to apply as transfer students from Frederick Community College. For best consideration, prospective students should meet the following requirements:

- Successful completion (C- or better) of all prerequisite courses listed in the table below
- Complete **60** transfer credits (or an Associate’s Degree)
- Achieve a minimum grade point average (GPA) of **2.5**

	University of Maryland Course*	Frederick Community College	Credits
	Academic Writing (ENGL101)	ENGL101	3
	Introduction to Engineering Design (ENES100)	ENGR100	3
	Calculus I (MATH140)	MATH185	4
	Calculus II (MATH141)	MATH195	4
	Calculus III (MATH 241)	MATH285	4
	Differential Equations for Scientists and Engineering (MATH 246)	MATH275	3
	General Physics: Mechanics and Particle Dynamics (PHYS161)	PHYS151	3
	General Physics: Vibration, Waves, Heat, Electricity and Magnetism/Lab (PHYS260/261)	PHYS252	4
	General Chemistry for Engineers/Lab or General Chemistry and Energetics (CHEM135/136 or CHEM271/272)	CHEM102	4
	Principles of Molecular & Cellular Biology or Biology for Engineers (BSCI170 or BIOE120)	BSCI150	3
	Matlab programming course (BIOE241 or equivalent)	MATH220 and CMIS105	3
	UMD General Education requirements or Associate’s Degree		22
	TOTAL TRANSFER CREDITS		60

*For more information regarding course equivalencies, please visit: transfercredit.umd.edu

For more information, contact:

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