# BIOCOMPUTATIONAL ENGINEERING

# PRINCE GEORGE'S COMMUNITY COLLEGE

## Prince George's Community College Pathway to Biocomputational Engineering

**ADMISSIONS INFORMATION**

Students are encouraged to apply as transfer students from Howard 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* | Prince George's Community College | Credits |
|---|---|---|
| **Academic Writing** (ENGL101) | EGL1010 | 3 |
| **Introduction to Engineering Design** (ENES100) | EGR1010 | 3 |
| **Calculus I** (MATH140) | MAT2410 | 4 |
| **Calculus II** (MATH141) | MAT2420 | 4 |
| **Calculus III** (MATH 241) | MAT2430 | 4 |
| **Differential Equations for Scientists and Engineering** (MATH 246) | MAT2460 | 3 |
| **General Physics: Mechanics and Particle Dynamics** (PHYS161) | PHY1030 | 3 |
| **General Physics: Vibration, Waves, Heat, Electricity and Magnetism/Lab** (PHYS260/261) | PHY2030 | 4 |
| **General Chemistry for Engineers/Lab or General Chemistry and Energetics** (CHEM135/136 or CHEM271/272) | CHM2000 or CHM1020 | 4 |
| **Principles of Molecular & Cellular Biology or Biology for Engineers** (BSCI170 or BIOE120) | BIO1140 | 3 |
| **Matlab programming course** (BIOE241 or equivalent) | EGR1140 | 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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# UNIVERSITY OF MARYLAND