What do Biomedical Engineers or Bioengineers do?
Is math important?

OH YES
Let’s do some simple math!

- If my heart beats 10 times in 10 seconds, what is my heart rate per minute?
  \[
  \frac{10 \text{beats}}{10 \text{s}} \times \frac{60 \text{s}}{1 \text{min}} = 60 \text{beats/min}
  \]

- If my stroke volume is 80mL/beat, what is my cardiac output? (CO = SV * HR)
  \[
  \frac{80 \text{mL}}{1 \text{beat}} \times \frac{60 \text{beats}}{1 \text{min}} = 4800 \text{mL/min}
  \]
How to become a bioengineer?

- High school diploma.
- 4-5 years of Bachelor of Science in Biomedical Engineering.
- (Optional) 2 years of Master of Science in Biomedical Engineering.
Biomedical engineers made a median of $86,950 annually [8].

Growth rate: 23% (much faster than average growth rate of all jobs) [8].
What makes me choose this path?
THANK YOU
FOR YOUR ATTENTION
Work cited


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[7] https://www.imageabay.com/222022/5d8c98509edbd1c393a55d919dd30ad2/heartbeat-pulse-healthcare-medicine_default.jpg


[10] https://upload.wikimedia.org/wikipedia/commons/2/2e/Expedition_36_flight_engineer_Chris_Cassidy.jpg