


Seth Bywater

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Also see sethbywater.com

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Education

BT in Mechatronics Technology – SUNY Delhi

August 2019 – Expected December 2022

3.97 GPA, honor's student, student-athlete, on track to graduate early

Technical Skills

Instrumentation & Controls

- Electromechanical design & troubleshooting
- Hydraulic / pneumatic systems systems
- Testing and analysis
- Mechanical design

Equipment

- Electric motors
- Variable Frequency Drives
- Programmable Logic Controllers
- Welding
- Control components

Software

- AutoCAD / EPLAN
- SolidEdge / SolidWorks
- Studio 5000 / Ladder Logic
- Rust / C++ / Python
- Matlab
- Algorithms & data structures

Sample Coursework

- Manufacturing & materials processing
- Statics and strengths of materials
- PLCs / microcontrollers
- Welding
- Electric motor theory
- Engineering economics
- Cybersecurity
- Electrical troubleshooting
- ANSI and ISO standards for drafting and design
- Geometric Dimensioning and Tolerancing
- Feedback and control systems
- Research and documentation
- Hydraulic / pneumatic design & troubleshooting
- Specialty honor's coursework

Activities

President, Student Athlete Advisory Council at SUNY Delhi (since Nov. 2019)

SUNY Chancellor's Award recipient

Society of Manufacturing Engineers

National Honors Society

Cross Country / Track & Field (USCAA All-American)