

Seth Bywater

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Education

AUGUST 2019 – MAY 2022

BT in Mechatronics Technology / SUNY Delhi

3.97 GPA, honor's student, student-athlete, on track to complete 4-year degree a year early

Technical Skills

Instrumentation Controls

- Mechanical, electrical/electronic design
- Combined electromechanical systems
- Testing and analysis

Equipment

- Electric motors
- VFD controllers
- Programmable Logic Controllers (PLCs)
- 3D Printers
- PCB design

Software

- AutoCAD
- SolidEdge / SolidWorks / NX / Inventor
- Matlab
- C++ / Rust / Python
- Basic algorithms

Sample Coursework

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

Activities

President, Student Athlete Advisory Council at SUNY Delhi
SUNY Chancellor's Award recipient
Society of Manufacturing Engineers
National Honors Society
Cross Country / Track & Field (USCAA All-American)