

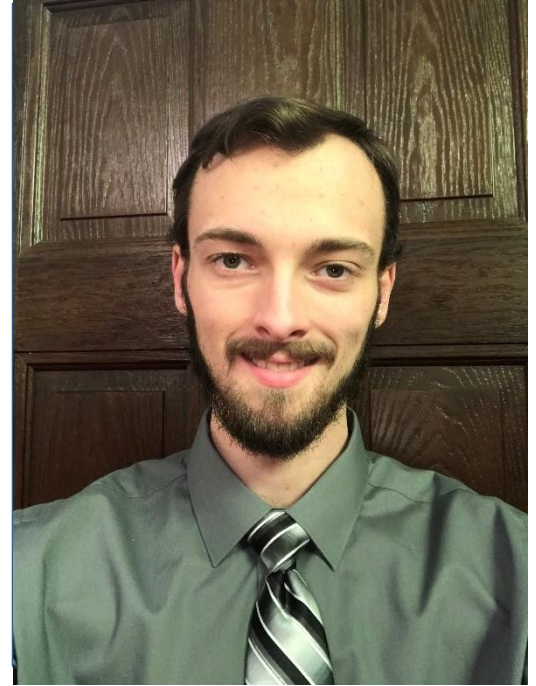
Honors Project Proposal

Name: Joseph Watson

- **Major:** Physics (Mechanical Engineering)
- **Minor:** Mathematics
- **Hometown:** Haskell TX
- **Activities:**
 - SPS
 - Chanters
 - RSL Worship Team

Career Goal:

To build a career in mechanical engineering, focused on improving efficiency, performance, and usefulness of current production items or creating new mechanical systems.



Project title: Compound Bow Efficiency

Supervising faculty member: Dr. Wayne Keith

Project Abstract:

The goal of this project is to determine what affects the efficiency of a compound bow. Some general factors might be draw weight, draw length, cam shape, let-off percentage, arrow weight, arrow spine, and string silencers. The efficiency of a compound bow will be measured using several sets of variables and constants to determine relationships for efficiency factors. This project's initial goal is to measure dependencies of draw weight, draw length, and arrow weight on efficiency.