

As we all return to another spring quarter I'd like to remind members of the ETD community about the free online electro-mechanical resources I've made available on YouTube. I've spent the past year updating and reformatting the Basic Electrical Circuits series to include more illustrated examples and practical applications. Feel free to use these resources to supplement the online portion of your courses.

<https://www.youtube.com/user/bigbadtech>

1) Basic Electrical Circuits 1: DC Circuit Analysis

<https://openoregon.pressbooks.pub/electronics1/>

2) Basic Electrical Circuits 2: Transient DC and Single Phase AC Circuit Analysis

<https://openoregon.pressbooks.pub/electronics2/>

3) Basic Electrical Circuits 3: Intermediate Single Phase AC and Three Phase AC Circuit Analysis

<https://openoregon.pressbooks.pub/electronics3/>

4) Hydraulics and Electrical Control of Hydraulic Systems

<https://openoregon.pressbooks.pub/hydraulics/>

5) Additionally, I have the following playlists which support traditional hardwired relay based motor control, motor drives, and PLCs. I hope to compile study guides for these resources in the future:

Motor Control

<https://www.youtube.com/playlist?list=PLdnqjKaksr8qRPCFkU2Q8XQe0bfo99rs6>

PLCs (IN DEVELOPMENT)

<https://www.youtube.com/playlist?list=PLdnqjKaksr8qxIMYRVTF2YzTm6RwtA7pc>

Motor Drives

<https://www.youtube.com/playlist?list=PLdnqjKaksr8qruLI85Uq3em62PjXISNUF>

Please feel free to take advantage of these resources. It is my intent to continue developing content for motors and generators, solar power, industrial wind power, pneumatics, and power generation and transmission in the near future.

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Jim Pytel | Electro-Mechanical Technology Instructor

Columbia Gorge Community College

[jpytel@cgcc.edu](mailto:jpytel@cgcc.edu)

