**Aspen DMC3 Learning Path**

Whether you are a Beginner or an Expert, we have got a learning path for you.

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### Beginner Level

- **APC105**
  - **Model and Build Aspen DMC3 controllers:**
    - Learn operating characteristics and capabilities to increase effectiveness in using & maintaining Aspen DMC3 applications.
  - **Become Aspen DMC3 Certified User**

### Expert Level

- **APC210**
  - **Real time controller monitoring using Aspen Watch**
  - Sustain the performance of APC controllers by utilizing KPI for analysing and troubleshooting controller performance
- **APC250**
  - **All about Aspen DMC3 Technology**
  - Learn to Adapt and Optimize Simultaneously, simplify tuning and improve performance of your Aspen DMC3 controllers
  - **Become Aspen DMC3 Certified Expert User**

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### Aspen DMC3 skills acquired at each level

**Beginner Level**

- Interact with the Aspen APC online controllers to operate a plant
- Learn and identify the characteristics of Aspen DMC3 models and controllers
- Build and Develop control models, perform off-line tuning and simulation
- Implement variable transformations and custom-built controller calculations
- Use CV ranks, ECE’s, MV/CV Costs to achieve steady state optimization to seek the most profitable operating point

**Expert Level**

- Use Aspen Watch to monitor the controller performance
- Set up Aspen Watch KPI’s to quickly identify the controllers not performing well and change tuning to boost controller efficiency.
- Fully understand fundamentals of Calibrate and implementation methodology and best practices
- Improve and maintain new/existing APC applications using Calibrate and Adaptive Modeling
- Commission the new model created with Calibrate and Adaptive Modeling for both new and existing applications

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**Advance your career**

- **Improve margins by vertically integrating planning, scheduling and advanced process control in closed loop using Aspen GDOT**
- Learn more from **Expert-led training on Aspen GDOT** and get recognized with **Aspen GDOT Certification exam**

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*Under Development*