

AC/DC Circuits

Course Information

Developers: Automation Engineer Technology State Curriculum Committee

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KBOR Facilitators: Rita Johnson/ Shirley Antes/ April Henry/ Lisa Beck

Business & Industry Liaison: Steve Reed – KASA Companies, Ronald Owings – Spirit Aerosystems and Mike Hart – Spirit Aerosystems

Credit Hours: 4

Description: AC/DC circuits address the basics of direct and alternating current circuits.

Course Competencies:

Students will be able to:

1. Describe and apply Ohms, Watts, and Kirchhoff laws
2. Define, demonstrate and apply the characteristics of series, parallel, and combination circuits
3. Explain DC theory concepts
4. Explain AC theory concepts
5. Perform and interpret electrical measurements using industry standard equipment