You need to see a Counselor for specific recommendations about courses that will best meet your educational goals. Not all courses on the map are offered every term. Consult the Catalog and the Schedule of Classes for more details.

For information about transferring, see: https://www.dvc.edu/enrollment/transfer/index.html

For information on careers in this field see: https://www.dvc.edu/enrollment/career-employment/index.html

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### PROGRAM LEARNING OUTCOMES

1. Solve problems in mechanics, including mechanical waves and fluids, using calculus.
2. Solve problems in thermodynamics using calculus.
3. Solve problems in electromagnetism using calculus.
4. Solve problems in optics using calculus.
5. Solve problems in special relativity using calculus.
6. Solve problems in quantum physics, including its applications, using calculus and differential equations.

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### Physics AS-T

**ENTRY**

**REQUIRED**

- **MATH 192** Analytic Geometry and Calculus I*
- **MATH 193** Analytic Geometry and Calculus II
- **MATH 292** Analytic Geometry and Calculus III
- **PHYS 130** Physics for Engineers and Scientists A*
- **PHYS 230** Physics for Engineers and Scientists B
- **PHYS 231** Physics for Engineers and Scientists C

**PRE-REQUISITES**

- IGETC 2
- IGETC 5A
- IGETC 5C

**CO-REQUISITES**

- IGETC 2
- IGETC 5A
- IGETC 5C

**CAREERS IN**

- Industry
- Education
- Business

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*This course has prerequisites.