

# TECHNICAL CALCULATIONS (TECALC) COURSES

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**TECALC 087 4 Units**

**Technical Calculations**

**Lecture:** 72 contact hours

This course covers practical use and applications of technical calculations most commonly utilized in the trades and industry. Topics include electrical measurements, temperature, volume, weight, and positioning including the number line, working with dedicated formula, applied problems, geometric principles, graphs, right triangles, coordinate systems, and scientific and engineering notation. Concepts, techniques, and applications of arithmetic and elementary algebra emphasizing applications to practical problems. Interactive and traditional problem-solving methods. Class interactive group exercises applying mathematical techniques to various applications and real-world problems. A course in mathematical problems is frequently used by students enrolled in the trades and industrial and engineering programs. Problems are drawn from the industrial field.

**Associate Degree Applicable**