

## Basic Drafting Technology Certificate C4032AC

The Basic Drafting Technology certificate prepares the student to produce drawings and components in the mechanical field.

Course work includes mechanical drafting, CAD, machine processes, and manufacturing materials. Concepts such as machine shop processes and basic materials selection as they relate to the design process are also included. Graduates should qualify for employment in mechanical areas such as manufacturing, fabrication, research and development, and service industries.

All courses in this certificate program may be applied toward the completion of the Mechanical Drafting and Design diploma and Associate of Applied Science degree in Mechanical Engineering Technology/Drafting and Design.

This certificate may be completed in one semester.

| Prefix &<br>Number       | Description              | Class | Lab | Clinical/<br>Shop | Credit    |
|--------------------------|--------------------------|-------|-----|-------------------|-----------|
| DFT 111                  | Technical Drafting I     | 1     | 3   | 0                 | 2         |
| DFT 111A                 | Technical Drafting I Lab | 0     | 3   | 0                 | 1         |
| DFT 151                  | CAD I                    | 2     | 3   | 0                 | 3         |
| MEC 111                  | Machine Processes I      | 1     | 4   | 0                 | 3         |
| MEC 180                  | Engineering Materials    | 2     | 3   | 0                 | 3         |
| <i>Totals:</i>           |                          | 6     | 16  | 0                 | 12        |
| <b>Certificate Total</b> |                          |       |     |                   | <b>12</b> |