

# BIOMEDICAL DEVICE MANUFACTURING, CERTIFICATE OF ACHIEVEMENT

- successfully demonstrate theoretical and practical Biotechnology applications during a comprehensive lab practical.

Biomedical Device Manufacturing Certificate provides skills for the manufacturing of medical devices including basic quality control, government regulations as well as applied skills such as machining and working in an ultra-clean environment. This certificate will prepare students to obtain employment in the field of medical device manufacturing. Students complete 13 specified units.

This Certificate of Achievement is a joint program between Moorpark College and Ventura College. Once the required courses are completed, students can apply to obtain the Certificate of Achievement at either college. To submit an application for the Certificate of Achievement, see a counselor.

| Course ID               | Title   | Units/<br>Hours |
|-------------------------|---|-----------------|
| <b>Required Courses</b> |   |                 |
| Moorpark College:       |   |                 |
| BIOT M02A               | Environmental Control and Process Support     | 2               |
| or BIOL M12A            | Environmental Control and Process Support     |                 |
| BIOT M02B               | Manufacturing: Quality Control and Validation | 2               |
| or BIOL M12B            | Manufacturing: Quality Control and Validation |                 |
| BIOT M02E               | Business & Government Regulation              | 2               |
| or BIOL M12E            | Business & Government Regulation              |                 |
| Ventura College:        |   |                 |
| MT V02                  | Applied Machining I                           | 2               |
| MT V05                  | CNC Machining I                               | 2               |
| MT V15                  | Manufacturing Processes                       | 3               |
| <b>Total Units</b>      |   | <b>13</b>       |

| Year 1          |   |             |
|-----------------|---|-------------|
| Fall Semester   |   | Units/Hours |
| BIOT M02A       | Environmental Control and Process Support     | 2           |
| MT V02          | Applied Machining I                           | 2           |
| MT V05          | CNC Machining I                               | 2           |
|                 | <b>Units/Hours</b>                            | <b>6</b>    |
| Spring Semester |   |             |
| BIOT M02B       | Manufacturing: Quality Control and Validation | 2           |
| BIOT M02E       | Business & Government Regulation              | 2           |
| MT V15          | Manufacturing Processes                       | 3           |
|                 | <b>Units/Hours</b>                            | <b>7</b>    |
|                 | <b>Total Units/Hours</b>                      | <b>13</b>   |

Upon successful completion of this program, students will be able to:

- have the background in biotechnology, quality control, validation, and machining to pursue a career in the medical device manufacturing industry.