

**FIVE CERTIFICATES OF ACHIEVEMENT ARE AVAILABLE**

- COORDINATE METOLOGY
- MACHINIST
- NUMERICAL CONTROL MACHINE OPERATOR
- NUMERICAL CONTROL TOOL PROGRAMMER
- TOOL AND DIE MAKER

**ONE VERIFICATION OF COMPLETION IS AVAILABLE**

- MASTERCAM

**AA DEGREE IS ALSO AVAILABLE**



**COORDINATE METOLOGY  
CERTIFICATE OF ACHIEVEMENT**

- MTT 50 CNC Shop Math (3 units).....Completed
- MTT 56 CNC Shop Inspection (2 units).....Completed
- MTT 68 Computer-Assisted Inspection Using Verisurf (2 units).....Completed
- MTT 78 Tool Building Using Verisurf (1.5 units).....Completed
- MTT 168 Advanced Computer-Assisted Inspection Using Verisurf (2 units).....Completed
- ENGT 116 Blueprints Reading (2 units).....Completed
- ENGT 117 Geometrical Dimensioning and Tolerancing (2 units).....Completed
- NPD 102 Quality Systems for New Product Development (3 units).....Completed

**Total Certificate Requirement 17.5 Units**

**MACHINIST CERTIFICATE OF ACHIEVEMENT**

- ENGT 116 Blueprint Reading (2 units) .....Completed
- ENGT 117 Geometrical Dimensioning and Tolerancing (2 units) .....Completed
- MTT 50 CNC Shop Math (3 units) .....Completed
- MTT 52 Setup and Operation of CNC Milling Machines (2.5 units) .....Completed
- MTT 56 CNC Shop Inspection (2 units) .....Completed
- MTT 57 Setup and Operation of CNC Lathes (2.5 units) .....Completed
- MTT 60 Advanced Machine Tool Concepts (2 units).....Completed
- MTT 62 Fixture Tooling (2 units) .....Completed
- MTT 68 Computer Assisted Inspection Using Verisurf (2 units) .....Completed
- MTT 94L Manual Machining Laboratory (1 unit) .....Completed
- MTT 100 Machine Tool Introduction (2 units) ...Completed
- MTT 170 Computer Numerical Control Programming (2 units) .....Completed

**Total Certificate Requirement 25 Units**

**NUMERICAL CONTROL MACHINE OPERATOR  
CERTIFICATE OF ACHIEVEMENT**

- ENGT 116 Blueprint Reading (2 units)..... Completed
- MTT 50 CNC Shop Math (3 units)..... Completed
- MTT 52 Setup and Operation of CNC Milling Machines (2.5 units)..... Completed
- MTT 56 CNC Shop Inspection (2 units)..... Completed
- MTT 57 Setup and Operation of CNC Lathes (2.5 units)..... Completed
- MTT 62 Fixture Tooling (2 units)..... Completed
- MTT 68 Computer Assisted Inspection Using Verisurf (2 units)..... Completed
- MTT 91L CNC Mill Machining Laboratory (1 unit)..... Completed
- MTT 95L CNC Lathe Machining Laboratory (1 unit).. Completed
- MTT 100 Machine Tool Introduction (2 units)..... Completed
- MTT 170 Computer Numerical Control Programming (2 units)..... Completed
- MTT 180 Robotics for Computer Numerically Controlled Machines (3 units)..... Completed

**Total Certificate Requirement 25 Units**

**NUMERICAL CONTROL TOOL PROGRAMMER  
CERTIFICATE OF ACHIEVEMENT**

- ENGT 116 Blueprint Reading (2 units)..... Completed
- ENGT 117 Geometrical Dimensioning and Tolerancing (2 units) .....Completed
- MTT 50 CNC Shop Math (3 units) .....Completed
- MTT 52 Setup and Operation of CNC Milling Machines (2.5 units) .....Completed
- MTT 56 CNC Shop Inspection (2 units) .....Completed
- MTT 57 Setup and Operation of CNC Lathes (2.5 units) .....Completed
- MTT 76 GibbsCAM Milling (2.5 units) .....Completed
- **and** MTT 77 GibbsCAM Turning (2.5 units) .....Completed
- **and** MTT 177 Advanced GibbsCAM (2.5 units) .....Completed
- **-or** MTT 51 MasterCAM Milling (3.5 units) .....Completed
- **and** MTT 59 MasterCAM Turning (2.5 units).....Completed
- **and** MTT 278 MasterCAM Advanced (3.5 units) .....Completed
- MTT 91L CNC Mill Machining Laboratory (1 unit) .....Completed
- MTT 95L CNC Lathe Machining Laboratory (1 unit) .Completed
- MTT 170 Computer Numerical Control Programming (2 units) .....Completed
- MTT 180 Robotics for Computer Numerically Controlled Machines (3 units) .....Completed

**Total Certificate Requirement 28.5 (30.5) Units**

**TOOL AND DIE MAKER CERTIFICATE OF ACHIEVEMENT**

- ENGT 116 Blueprint Reading (2 units)..... Completed
- ENGT 117 Geometrical Dimensioning and Tolerancing (2 units) .....Completed
- MTT 50 CNC Shop Math (3 units) .....Completed
- MTT 52 Setup and Operation of CNC Milling Machines (2.5 units).....Completed
- MTT 56 CNC Shop Inspection (2 units) .....Completed
- MTT 57 Setup and Operation of CNC Lathes (2.5 units).....Completed
- MTT 60 Advanced Machine Tool Concepts (2 units)Completed
- MTT 62 Fixture Tooling (2 units) .....Completed
- MTT 68 Computer Assisted Inspection Using Verisurf (2 units).....Completed
- MTT 94L Manual Machining Laboratory (1 unit)..... Completed
- MTT 100 Machine Tool Introduction (2 units)..... Completed
- PMT 100 Plastics Technology (2.5 units) .....Completed
- WELD 100 Welding Fundamentals (2.5 units).....Completed

**Total Certificate Requirement 28 Units**

## New Students and/or 1<sup>st</sup> Semester Students

can take the recommended classes

- ENGT 116 (2 units) Blueprint Reading
- ENGT 117 (2 units) Geometrical Dimensioning and Tolerancing
- MTT 50 (3 units) Cnc Shop Math
- MTT 51 (3.5 units) Mastercam Milling
- MTT 52 (2.5 units) Setup And Operation of Cnc Milling Machines
- MTT 56 (2 units) Cnc Shop Inspection
- MTT 57 (2.5 units) Setup And Operation of Cnc Lathes
- MTT 59 (2.5 units) Mastercam Turning
- MTT 76 (2.5 units) Gibbscam Milling
- MTT 77 (2.5 units) Gibbscam Turning
- MTT 100 (2 units) Machine Tool Introduction
- MTT 170 (2 units) Computer Numerical Control Programming
- MTT 180 (3 units) Robotics For Computer Numerically Controlled Machines
- NPJ 102 (3 units) Quality Systems for New Product Development
- PMT 100 (2.5 units) Plastics Technology
- WELD 100 (2.5 units) Welding Fundamentals

## 2<sup>nd</sup> Semester Students and/or Continuing Students

may take any of the following classes in conjunction with the 1<sup>st</sup> Semester recommended classes and/or in later pursuit of certificate

- ENGT 117 (2 units) Geometrical Dimensioning and Tolerancing
- MTT 60 (2 units) Advanced Machine Tool Concepts
- MTT 62 (2 units) Fixture Tooling
- MTT 68 (2 units) Computer-Assisted Inspection Using Verisurf
- MTT 78 (1.5 units) Tool Building Using Verisurf
- MTT 91L (1 unit) Cnc Mill Machining Laboratory
- MTT 92L (1 unit) Mastercam Laboratory
- MTT 93L (1 unit) Virtual Gibbs Laboratory
- MTT 94L (1 unit) Manual Machining Laboratory
- MTT 95L (1 unit) Cnc Lathe Machining Laboratory
- MTT 168 (2 units) Advanced Computer-Assisted Inspection Using Verisurf
- MTT 177 (2.5 units) Advanced Gibbscam
- MTT 278 (3.5 units) Mastercam Advanced



## Interested in enrolling at Cerritos College?

Please refer to the step-by-step enrollment process:

[www.cerritos.edu/futurestudents](http://www.cerritos.edu/futurestudents)

## Want to apply to get your certificate?

1. Make sure you meet the requirements for the certificate.
  - a. Determine which form to fill out and download the form at:  
<http://cms.cerritos.edu/admissions-and-records/online-forms/>
    - i. Petition for Certificate: Petition to graduate with a Certificate of Achievement
    - ii. Petition for Degree: Petition to graduate with an Associate in Arts
2. Fill out the appropriate form and meet with a counselor.
  - a. Make an appointment by calling (562) 860-2451, ext. 2231 or use Online Counseling at:  
<http://cms.cerritos.edu/counseling/online-orientation.htm>



11110 Alondra Blvd., Norwalk, CA 90650

[www.cerritos.edu/mtt](http://www.cerritos.edu/mtt)



<https://www.facebook.com/CerritosCollegeFabLabs>

For detailed course descriptions, please refer to the current General Catalog: [www.cerritos.edu/catalog](http://www.cerritos.edu/catalog)