

CONSTRUCTION MANAGEMENT (BTC)

Basic Technical Certificate

Career-Technical Program

Interest Areas:

Manufacturing and Trades

This certificate provides students with a Basic Technical Certificate to fit educational and professional goals geared toward completion of the Construction Management AS degree with the option of transferring to a four-year institution. Coursework includes an introduction to construction management, focused on residential and commercial construction, communication specific to the construction industry, methods and materials used in construction and course drawings, specifications, and codes.

Contact Information:

Trades & Industry Division

Parker Technical Education Center

7064 West Lancaster Road

Rathdrum, ID 83858

Phone: (208) 769-3448

Program Website (<https://www.nic.edu/programs/>)

4. Discuss residential and commercial building concepts related to foundations, walls, flooring, mechanical systems, finish, roof/trusses, insulation, and siding.
5. Compute costs and materials estimates by performing "take-offs" from a variety of plans, drawings, and blueprints.
6. Demonstrate written and oral communication skills required of supervisors and contractors in the construction industry, including, but not limited to, project bids, cost estimates, supervision of personnel, presentations, business letters and reports.
7. Interpret and apply advanced blueprint reading skills to commercial and residential building sites.

Program Requirements

Code	Title	Credits
CMGT-110	Construction Materials and Methods	3
CMGT-111	Construction Materials and Methods Lab	1
CMGT-220	Introduction to Construction Management	3
CMGT-245	Drawings, Specifications, and Codes	3
CMGT-250	Construction Communications	3
Total Credits		13

Course Key



GEM



AAS
Institutionally
Designated



Gateway



Milestone

Program Outcomes

Upon completion of the program, students will be able to:

1. Evaluate blueprints, plans drawings, and modeling as related to the construction industry.
2. Demonstrate construction lay-out procedures common to industry.
3. Administer concepts related to basic estimation and scheduling.