



GREEN & SUSTAINABLE CONSTRUCTION TECHNOLOGY ASSOCIATE IN APPLIED SCIENCE (A.A.S.) DEGREE OR DIPLOMA 2009-2011 GRADUATION WORKSHEET

REV. 3-31-2009

REQUIRED COURSES FOR THE GREEN & SUSTAINABLE CONSTRUCTION TECHNOLOGY DIPLOMA (45 CREDITS) and AAS DEGREE (60 CREDITS)

GREEN & SUSTAINABLE CONSTRUCTION TECHNOLOGY CORE (Diploma and Degree):

FALL: GSCT 1100 (2) Orientation to Green & Sustainable Construction
GSCT 1200 (3) Construction Tools, Equipment, and Safety
GSCT 1300 (4) Green & Sustainable Foundations and Masonry
GSCT 1400 (3) Green Applied Fundamentals I

FALL: GSCT 2100 (2) Green Material Cabinetry
GSCT 2200 (6) Energy Efficient Construction Principles I
GSCT 2300 (3) Green & Sustainable Exterior Technology and Materials

SPRING: GSCT 1500 (3) Green & Sustainable Building Design, Blueprint Reading, Building Codes
GSCT 1600 (3) Energy Efficient Certifications and Cold Weather Construction
MATH 1002 (2) Technical Math with Applications
GSCT 1800 (3) Green Applied Fundamentals II

SPRING: GSCT 2400 (2) Green & Sustainable Project Management
GSCT 2500 (6) Energy Efficient Construction Principles II
GSCT 2600 (3) Green & Sustainable Interior Technology and Materials

GENERAL EDUCATION REQUIREMENTS (AAS Degree). Choose a minimum of 15 credits from three goal areas of the Minnesota Transfer Curriculum including the following:

ENGL 1010 (3) English Composition I (MTC 1)
ENGL 1020 (3) *English Composition II (MTC 1)

To be eligible for graduation with the Green & Sustainable Construction Technology Diploma or A.A.S. Degree, you must satisfy the following requirements:

- ⇒ 45 Credit Diploma: Must complete all required courses with a minimum GPA of 2.0.
- ⇒ 60 Credit AAS Degree: Must complete all required courses with a minimum GPA of 2.0, and the additional General Education Requirements, with a minimum GPA of 2.0.

NOTES:

- All students are required to have steel-toed boots by the first day of class.
- * denotes a course with a prerequisite.
- The information in this graduation worksheet is for use as an academic planning tool and is subject to change at any time.
- Rainy River Community College is a member of the Minnesota State Colleges and Universities System.
- Rainy River Community College is an equal opportunity employer and educator.

LEARNING OUTCOMES

- Construct, install, erect, and repair structures to comply with existing codes
- Incorporate building techniques and materials that leave the smallest negative environmental footprint
- Build with energy efficiency in mind
- Retro-fit existing homes with the latest energy efficient and "green" materials and technologies
- Read blueprints, sketches, and specifications for information pertaining to dimensions, types of materials required, and standards of work
- Work with a variety of hand tools, power tools, and equipment
- Perform framing, interior and exterior finishing, forming and/or remodeling of residential and commercial buildings
- Work in a variety of physically demanding situations including weather extremes, heights, and enclosed areas

PROGRAM DESCRIPTION

The Green and Sustainable Construction Technology program prepares students to be all-around building trades professionals in areas such as framing, interior finishing, siding, shingling, drywall installation, masonry, acoustical ceiling installation, maintenance carpentry, and prefabrication productions.

Students graduating from this program will have the latest information and skills relating to green and sustainable construction methods, related products, and installation technologies for new and existing structures. The AAS consists of 60 semester credits. The Diploma consists of 45 semester credits. Both programs take approximately 18 months (4 semesters) to complete.

WHAT ELSE SHOULD YOU CONSIDER ABOUT THIS PROGRAM AS A CAREER CHOICE?

- High demand for green and sustainable builders throughout the region and nation
- Capability to transfer to a university to pursue a bachelor (4-year) degree
- Great variety of work in many types of business and industry
- Anticipated average starting salary \$25,000 - \$35,000 plus extensive benefits
- Opportunity of starting your own business after gaining sufficient experience

RECOMMENDED HIGH SCHOOL COURSES

Blueprint Reading, Drafting/CAD, Algebra and Geometry, Introduction to Computers and Keyboarding, Business and Accounting courses, Welding, Carpentry, and Woodworking

INFORMATION

For additional program information, contact enrollment management @ 218.285.7722