

**BUILDING CONSTRUCTION TECHNOLOGY  
ASSOCIATE OF APPLIED SCIENCE  
BUILDING EMPHASIS  
Curriculum Guide Sheet**

NAME \_\_\_\_\_

CWID \_\_\_\_\_

Total semester hours required for graduation: 63

NOTE: Meeting the requirements for graduation indicated on this sheet is the responsibility of the student. The student is also responsible for meeting all FSU General Education requirements as outlined in the university catalog. Your advisor is available to assist you.

**FIRST YEAR-FALL SEMESTER (14 Credits)**

**CREDITS/GRADES**

CONM 116	Construction Graphics (C- in MATH 110 or 19 ACT)	2	_____
CONM 121	Materials, Properties and Testing (C- in MATH 110 or 19 ACT)	3	_____
ISYS 105	Introduction to Microcomputer Systems and Software	3	_____
ENGL 150	English 1 (Placement)	3	_____
MATH 115	Intermediate Algebra (Placement) [Must pass with a C- to continue]	3	_____

**FIRST YEAR-WINTER SEMESTER (15 Credits)**

CONM 111	Construction Practices (CONM 116; MATH 115)	3	_____
CONM 112	Plans and Specifications (CONM 116; MATH 115)	3	_____
MATH 120	Trigonometry (MATH 115)	3	_____
ENGL 211	Industrial and Career Writing (ENGL 150)	3	_____
ELECTIVE	Cultural Enrichment	3	_____

*To continue into the Second Year, I understand I must pass MATH 120 (or its equivalent) with a "C-" or better and have an overall GPA of 2.0 or better.* Student Signature \_\_\_\_\_

**SECOND YEAR-FALL SEMESTER (16 Credits)**

CONM 122	Construction Surveying and Layout (MATH 120)	3	_____
CONM 211	Construction Estimating (CONM 111, 112; MATH 120)	3	_____
BCTM 223	Mechanical/Electrical Plans (CONM 112)	3	_____
PHYS 211	Introductory Physics 1 (MATH 120)	4	_____
<b>**CHOOSE ONE: If you want to take BCTM 233 instead of BCTM 213, then choose the Social Awareness**</b>			
BCTM 213	Wood/Steel Framing and Finishes (CONM 111, 112, 116; MATH 120)	3	_____
ELECTIVE	Social Awareness	3	_____

**SECOND YEAR-WINTER SEMESTER (18 Credits)**

CONM 212	Soil and Foundations (CONM 121; MATH 120)	3	_____
CONM 221	Statics and Structures (PHYS 211 co-req; MATH 120)	3	_____
CONM 222	Construction Administration (CONM 111, 112; MATH)	3	_____
BCTM 225	Field Engineering (CONM 122; ISYS 105)	3	_____
HVAC 337	Mechanical and Electrical Systems	3	_____
<b>**CHOOSE ONE: If you took BCTM 213 above, then choose the Social Awareness**</b>			
BCTM 233	Mechanical, Electrical, Plumbing Construction (BCTM 223, CONM 111, 112)	3	_____
ELECTIVE	Social Awareness	3	_____

Apply for Entry into the Bachelor of Science Degree in Construction Management.

FERRIS STATE UNIVERSITY  
COLLEGE OF TECHNOLOGY

**CURRICULUM REQUIREMENTS  
BUILDING CONSTRUCTION TECHNOLOGY  
ASSOCIATE DEGREE IN APPLIED SCIENCE  
BUILDING EMPHASIS**

<b>TECHNICAL</b>	<b>CREDIT HOURS</b>	<b>GENERALEDUCATION</b>	<b>CREDIT HOURS</b>
BCTM 213 Wood & Steel Framing/Finishes	3	<b><u>Communication Competence</u></b>	
BCTM 223 Mechanical & Electrical Plans/Specs	3	ENGL 150 English 1	3
BCTM 225 Field Engineering	3	ENGL 211 Industrial & Career Writing	3
BCTM 233 Mechanical, Electrical, Plumbing	3		
CONM 111 Construction Practices	3	<b><u>Scientific Understanding</u></b>	
CONM 112 Plans & Specifications	3	PHYS 211 Introductory Physics 1	4
CONM 116 Construction Graphics	3		
CONM 121 Materials Properties & Testing	3	<b><u>Quantitative Skills</u></b>	
CONM 122 Construction Surveying & Layout	3	MATH 115 Intermediate Algebra	3
CONM 211 Construction Quantity Estimating	3	MATH 120 Trigonometry	3
CONM 212 Soils & Foundations	3		
CONM 221 Statics & Structures	3		
CONM 222 Construction Administration	3		
HVAC 337 Mechanical/Electrical Sys for Builders	3	<b><u>Cultural Enrichment</u></b>	
Technical Related:		Elective	3
ISYS 105 Intro to Microcomputer Systems	3		
		<b><u>Social Awareness</u></b>	
		Elective	3

*Entry to the BS in Construction Management program requires successful completion of MATH 120 with a C- or higher grade, successful completion of PHYS 211, and a minimum overall GPA of 2.3, and Departmental approval and acceptance. Apply for entry from department.*

**A.A.S. Degree Minimum General Educational Requirements in Semester Hours:**

**Cultural Enrichment Credits - 3**  
**Communication Credits - 6**

**Social Awareness Credits - 3**  
**Scientific Understanding Credits - 3/4**