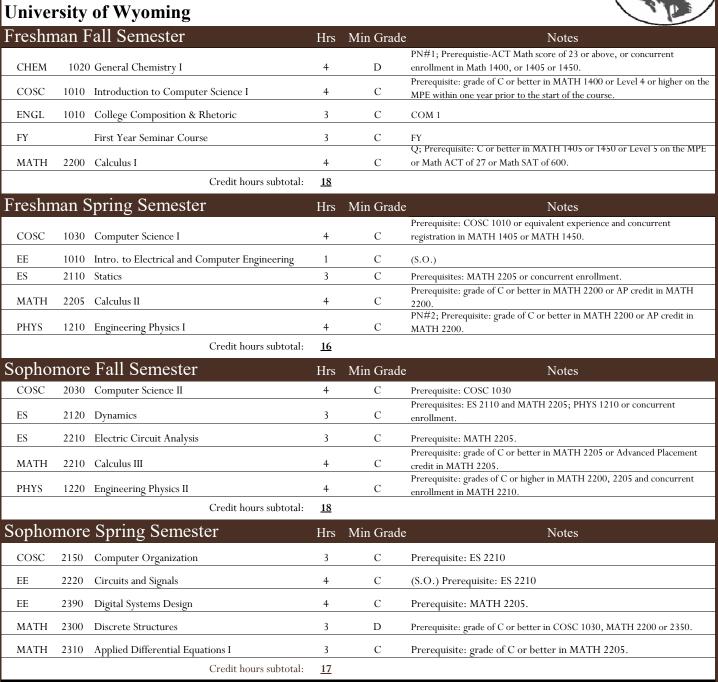
## **Computer Engineering, BS (2015-2016)**



Notes: (S.O.) offered Spring semester ONLY (F.O.) offered Fall semester ONLY

\*Students must have a minimum cummulative GPA of 2.0 in all Engineering course for graduation.

Grade of C (2.0) or higher is required for all prerequisite courses.

Students must complete a minimum of 48 hours of upper division coursework, 30 of which must from the University of Wyoming

EE 1010 may be replaced with technical elective if transfer credits > 30 hrs

PHYS 1210; no credit can be earned in PHYS 1210 if taken after ES 2120.

PHYS 1220 should be taken before or concurrently with ES 2210.

## **Computer Engineering, BS**



## University of Wyoming

Junior Fall Semester		Hrs	Min Grade	Notes	
EE	3220 Signal and Systems		3	С	(F.O.) Prerequisite: EE 2220.
EE	3310 Electronics I		4	С	(F.O.) Prerequisite: PHYS 1220 or PHYS 1320 and EE 2220 as a corequisite.
EE	4490 HDL Digital Design		3	*	(F.O.)
	Human Culture course		3	D	H#1
	Communication 2 course		3	С	COM 2
		Credit hours subtotal:	<u>16</u>		
Junior Spring Semester		Hrs	Min Grade	Notes	

0 annoi	Spring Semiester	1115	IVIIII Grade	110165
EE	3330 Electronics II	4	С	(S.O.) Prerequisite:EE 2220 and EE 3310.
EE	4220 Probabilistic Signals and Systems	3	С	(S.O.) Prerequisite: EE 3220.
EE	4390 Microprocessors	3	*	(S.O.) Prerequisite: EE 2390.
	Human Culture course	3	*	H#2
	Math/Science Elective	3	С	One course from the ECE Math/Science Elective List
	Credit hours subtotal:	16		

Senior Fall Semester			Hrs	Min Grade	Notes
COSC	4760	Computer Networks	3	С	Prerequisite: COSC 2030.
		or EE 4870 Network Hardware	(4)	*	(F.O.) Prerequisites: EE 2390.
EE	3150	Electromagnetics	3	С	(F.O.) Prerequisite: EE 2220.
EE	4820	Senior Design I	2	С	$({\rm F.O.})$ Prerequisites: EE 2390, EE 3330 and corequisite courses in the area of the design project.
		EE/COSC Elective	3	*	Any EE or COSC course at the 4000 or 5000 level.
		General Elective	3	*	Any ≥1000 level course (MATH course must be >Math 2210)
		US/Wyoming Constitution Course	3	*	V
		Credit hours subtotal:	17		

Senior Spring Semester		Hrs	Min Grade	Notes
				(S.O.) Prerequisites: EE 4820 and selected courses in the area of the design
EE	4830 Senior Design II	2	*	project.
	CPEN Option Course #1	3	*	
	CPEN Option Course #2	3	*	
	EE/COSC Elective	3	*	
	EE/COSC Elective	3	*	
	Credit hours subtotal:	<u>14</u>		
	TOTAL CREDIT HOURS:	<u>132</u>		

Notes: (S.O.) offered Spring semester ONLY (F.O.) offered Fall semester ONLY

Math/Science Elective: One course from the ECE Math/Science Elective List. ABET requires a minimum of 32 hours of a combination of college level mathematics and basic sciences (some with experimental experience) appropriate to the discipline. Basic sciences are defined as biological, chemical, and physical sciences.

CPEN Elective Courses (Choose four classes from this list, at most two of which can be from the Computer Science department):

EE 4245, 4340, 4345, 4360, 4440, 4530, 4590, 4870, 4990, 5390, 5430, 5630, 5650 COSC 3020, 4450, 4550, 4555, 4560, 4730, 4740, 4760.

Prerequisites for Upper Division electives vary. EE 4075 is not allowed. Other EE or COSC graduate level classes may be considered upon petition. EE 4830 is normally taken in the final semester.