BSE Program at Arundel Mills – Sample Schedule for A.S./A.A. Students (120 credits) As of Fall 2013

FRESHMAN YEAR – COMMUNITY COLLEGE

Fall Courses	Credits	Spring Courses	Credits
Arts general education	3	General Chemistry II	4
General Chemistry I	4	Calculus II	4
Intro. to Engineering Design	3	Physics I	4
Calculus I	4	Social and behavioral sciences	3
Composition and Intro to Lit. I	3	Composition and Intro. to Literature II	3
TOTAL FALL	**17**	**TOTAL SPRING**	**18**
TOTAL FRESHMAN YEAR CREDITS = 35			

SOPHOMORE YEAR – COMMUNITY COLLEGE

Fall Courses	Credits	Spring Courses	Credits
Humanities general education	3	General Physics III	4
Calculus III	4	Social and behavioral sciences	3
Technical Elective (Circuit Theory or Programming in C)	4	Health/wellness general education	3
Physics II	4	Differential Equations*	4
Digital Logic Design*	4	Technical Elective (Circuit Theory or Programming in C)	4
TOTAL FALL	**19**	**TOTAL SPRING**	**18**
TOTAL SOPHOMORE YEAR CREDITS = 37			

JUNIOR YEAR - FSU

Fall Courses	Credits	Spring Courses	Credits
ENME 350 Electronics and Instrumentation I	3	ENME 351 Electronics and Instrumentation II	3
PHYS 312 Electricity and Magnetism	4	ENGL 338 Technical Writing	3
300-400 level Identity and Difference course	3	IDIS 150 Freshman Colloquium	3
ENES 310 Mechatronic and Robotic Design	3	Technical Electives (300-400 level from approved list)	3
TOTAL FALL	**13**	**TOTAL SPRING**	**12**
TOTAL JUNIOR YEAR CREDITS = 25			

SENIOR YEAR - FSU

Fall Courses	Credits	Spring Courses	Credits
ENEE 303 Analog and Digital Electronics	3	ENEE 475 Power Electronics	3
ENEE 350 Computer Organization	3	ENEE 408 Capstone Design Project	3
PHYS 491 Seminar	2	ENES 401 Fundamentals of Energy Engineering	3
ENEE 307 Electronic Circuits Design	2	Technical Elective (300-400 level from approved list)	3
ENEE 439 Topics in Signal Processing	2		
TOTAL FALL	**12**	**TOTAL SPRING**	**12**
TOTAL SENIOR YEAR CREDITS = 24			

*Digital Logic Design and Diff. Eq. will transfer into FSU as 3 cr. each to assure adherence to the 70 credit transfer limit set by MHEC.

= Interactive Video

= Online