

5-Year Plan for the BSAE Degree

YEAR ONE

<u>Fall</u>	<u>Units</u>	<u>Spring</u>	<u>Units</u>
Math 30 - Calculus I	3	Math 31 - Calculus II	4
Chem 1A - General Chemistry	5	Physics 50 - Mechanics	4
Engr. 10 - Introduction To Engineering	3	AE 20 – CAD for AEs	2
GE (A2) - English 1A, Composition I	3	GE (C3) - English 1B, Composition II	3
Total:	14	Total:	13

YEAR TWO

<u>Fall</u>	<u>Units</u>	<u>Spring</u>	<u>Units</u>
Math 32 - Calculus III	3	Math 133A - Differential Equations	3
Phys 51 - Electricity & Magnetism	4	Phys 52 - Heat & Light	4
AE 30 - Computer Programming for AEs	2	GE – American Studies 1A	6
MatE 25 - Introduction to Materials	3		
Total:	12	Total:	13

YEAR THREE

<u>Fall</u>	<u>Units</u>	<u>Spring</u>	<u>Units</u>
Math 129A - Linear Algebra	3	EE 98 - Introduction to Circuit Analysis	3
AE 112 – AE Structural Analysis I	4	AE 114 - AE Structural Analysis II	3
AE 160 - Aerodynamics I	3		
Engr. 100W - Engineering Reports	3	GE – American Studies 1B	6
Total:	13	Total:	12

YEAR FOUR

<u>Fall</u>	<u>Units</u>	<u>Spring</u>	<u>Units</u>
AE 138 – Vector Dyn. for Aero. Appl.	3	AE 140 - Rigid Body Dynamics	3
AE 164 – Aerothermodynamics	5	AE 157 – Aero. Auto. Contr. Sys. Des.	3
GE (A1) – Communications	3	AE 162 - Aerodynamics II	3
		AE 165 - Aerospace Flight Mechanics	3
Total:	11	Total:	12

YEAR FIVE

<u>Fall</u>	<u>Units</u>	<u>Spring</u>	<u>Units</u>
Technical Elective	3	AE 167 - Aerospace Propulsion	3
AE 168 - Aero. Vehicle Dyn. & Control	3	AE 169 - Computational Fluid Dynam.	3
AE 171A - Aircraft Design I OR	3	AE 171B - Aircraft Design II OR	3
AE 172A - Spacecraft Design I	3	AE 172B - Spacecraft Design II	3
Engr. 195A – Global & Soc. Issues in	1	Engr. 195B – Global & Soc. Issues in	1
Engr. Practice I	1	Engr. Practice II	1
Total:	10	Total:	10

TOTAL UNITS FOR GRADUATION: 120