

2017-2018 RIT BS Core Program in Mechanical Engineering (8/2/17)							
Year One	Year Two	Year Three	Year Four	Year Five			
PB Calc I MATH-181 (4) All	PB Calc II MATH-182 (4) All	MultiV Calc MATH-220 (3) All	Diff Eq MATH-231 (3) F,Sp	Bound Val Prob MATH- 326 (3)	Linear Algebra MATH-241 (3)	Univ Phys II PHYS-212 (4)	Appl. Stat STAT-205 (3)
Writing Seminar ENGL-xxx (3) All	Perspective 2 xxxx-nnn (3)	Thermodyna mics MECE- 110 (3)	Fluid Mech MECE-210 (3)	Heat Transfer MECE-310 (3)	Engrn Apps Lab MECE- 301 (2)	Sr. Design I MECE-497 (3) F	Sr. Design II MECE-498 (3) Sp
Perspective 1 xxxx-nnn (3)	Culture & Politics in ME (3)	Immrsn 1 xxxx-nnn (3)	Engrn Msrmt Lab MECE- 211 (2)	Num Methods MECE-317 (3)	Contmp Issues MECE-35x (3)	ME Appl Elctv I MECE-4xx (3)	ME Appl Elctv II MECE-4xx (3)
Eng Dsgn Tools MECE 104 (3)	Engrn Mech Lab MECE-102 (3)	Statics MECE-103 (3)	Strength of Mat'ls MECE- 203 (3)	Circuits I EEEE-281 (3)	ME Ext Core Elctv I MECE- 3xx (3)	System Dynamics MECE-320 (3)	ME Ext/App'l Elctv MECE- 4xx (3)
Science Elective I (3)	Science Elective II (3)	Mat'ls Sci MECE -305 (3)	Strength of Mat'ls Lab MECE-204 (1)	Immrsn 2 xxxx-nnn (3)	Immrsn 3 xxxx-nnn (3)	Free Elective I (3)	Free Elective II (3)
		Mat'ls Sci MECE -306 (1)	Dynamics MECE-205 (3)	Perspective3 xxxx-nnn (3)	Perspective4 xxxx-nnn (3)		
16	16	16	15	18	17	16	15
							Total Credits
							129

Legend	Technical Electives: Technical Electives from other departments can be taken with Department approval	
Math/Statistics	No Option	Energy & Enviro Option
Science	Cont Issues MECE 348 Contemp Issues (Any)	Cont Issues MECE 348 Contemp Issues in Energy & Env
Mech Engr	Ext Core MECE-350 to MECE-399	Ext Core MECE-352 Thermo II/MECE 355 Fluids II
Elect Engr	Applied MECE-400 to MECE-599	Applied MECE-401 Ref & A/C
Liberal Arts	Applied MECE-400 to MECE-599	Applied MECE-402 Turbomachinery
FYS	Ext Core/Applied MECE-350 to MECE-599	MECE 529 Renewable Energy
Free Elect		MECE 589 ST: Alt Propulsion Sys
Course Name	Automotive Option*	Aerospace Option*
Course #	Cont Issues MECE 348 Contemp Issues in Automotive	Cont Issues MECE 348 Contemp Issues in Aerospace
(Cr)	Ext Core MECE 350 Strength II/MECE352 Thermo II/ MECE 389 Dynamics II	Ext Core MECE 350 Strength II/MECE 360 ACT/ MECE 389 Dynamics II
* Indicates lab included	Applied MECE-421 IC Engines	Applied MECE-403 Propulsion
Prerequisite	Applied MECE-523 Powertrain	Applied MEC 409 Aerodynamics
Course in Reference	MECE-524 Veh Dyn	MECE-410 Flight Dynamics
Prerequisite	MECE-543 Classical Controls	MECE-411 Orbital Mechanics
Grade of "C" required	MECE-544 Composites	MECE-412 Aerostructures
Corequisite	MECE 589 ST: Alt Propulsion Sys	MECE-543 Classical Controls
	MECE 589 ST: Comput Gear Design	MECE-543 Cont. Controls
	Bioengineering Option*	MECE-544 Composites
	Cont Issues MECE 348 Contemp Issues in Bioengineering	MECE-558 Intro Vibrations
	Ext Core MECE 355 Fluids II/MECE 360 ACT/MECE 389 Dynamics II	
	Applied MECE 407 Biomedical Device Engrn	
	Applied MECE-557 Applied Biomaterials	
	MECE 589 ST: Biomechanics & Biorobotics	