## ELECTRICAL AND ELECTRONICS ENGINEERING TECHNOLOGY MAJOR, BACHELOR OF SCIENCE (B.S.)

Freshman Year

	Introduction to Physics I LAB  Credit Hours  Ith Electives (http://catalog.vsu.edu/undergraduate/general-ms/#gewellnesshealthtext)  Advanced Electronics  Advanced Electronics Lab  Computer Programming  Introduction To Public Speakin GE-SCI	1 16 1 3 1 3 3 3
Junior Year 1st Semester GE Wellness/Hea education-progra ELET 306 ELET 307	Credit Hours  lith Electives (http://catalog.vsu.edu/undergraduate/general-ms/#gewellnesshealthtext)  Advanced Electronics  Advanced Electronics Lab	16 1 3
Junior Year 1st Semester GE Wellness/Hea education-progra ELET 306	Credit Hours  Ilth Electives (http://catalog.vsu.edu/undergraduate/general-ms/#gewellnesshealthtext)  Advanced Electronics	16
Junior Year 1st Semester GE Wellness/Hea education-progra	Credit Hours  lith Electives (http://catalog.vsu.edu/undergraduate/general-ms/#gewellnesshealthtext)	<b>16</b>
PHYS 105  Junior Year 1st Semester GE Wellness/Hea	Credit Hours  lth Electives (http://catalog.vsu.edu/undergraduate/general-	16
PHYS 105  Junior Year 1st Semester	Credit Hours	
PHYS 105  Junior Year		
PHYS 105		
	Introduction to Physics I	- 1
	I I I I I I I I I I I I I I I I I I I	1
	Introduction to Physics I	3
MATH 261	Calculus II	4
ELET 211	Microprocessors Lab	1
ELET 208	Microprocessors	3
ELET 206	Electronics Circuits Lab	1
ELET 204	Electronic Circuits	3
2nd Semester	FI	
	Credit Hours	16
ELET 104	Circuit Analysis II Lab	1
ELET 102	Circuit Analysis II	3
MATH 260	Calculus I	4
ELET 209	Digital Circuits Lab	1
ELET 207	Digital Circuits	3
ELET 205	Introd to Electronics Lab	1
ELET 203	Introd to Electronics	3
1st Semester	Intered to Floaternian	^
Sophomore Year		
Conhomoro Vo	Credit mours	16
. 510 101	Credit Hours	16
PSYC 101	Introduction to Psychology GE-SOC	3
STAT 210	Elementary Statistics I GE-MAT	3
	Ilth Electives (http://catalog.vsu.edu/undergraduate/general- ms/#gewellnesshealthtext)	1
ENGL 111		3
ENGT 105	Engineering Problem Solving Composition II GE-ENG	2
ELET 103	Circuit Analysis I Lab	1
ELET 101	Circuit Analysis I	3
2nd Semester		
	Credit Hours	16
education-progra	ms/#gehistoryelectivestext)	
GE History Election	ves (http://catalog.vsu.edu/undergraduate/general-	3
MATH 150	Precalculus GE-MAT	4
MCET 102	Machines Laboratory	1
ENGL 110	Composition I GE-ENG	3
ENGT 100	Introduction Engineering Tech	2
	Fundamentals of ENGR Graphics	3
ENGT 261		Credit Hours
1st Semester ENGT 261		

	Total Credit Hours	124
	Credit Hours	14
ENGT 421	Senior Project II	2
Restricted Elective	e Technical Course	3
education-program	Electives (http://catalog.vsu.edu/undergraduate/general-ns/#geglobalstudiestext)	3
ELET 406	Communication Systems	3
2nd Semester ELET 401	Electric Machinery	3
	Credit Hours	15
ENGT 420	Senior Project I	3
INLT 383	Quality Management	3
or PHIL 450	or Applied Ethics	
PHIL 275	Ethics GE-HUM	3
INLT 292	Introduction to ERP	3
1st Semester ELET 403	Control Systems	3
Senior Year		
	Credit Hours	16
	ns/#geliteratureelectivestext)	3
ENGL 342	Technical Communication tives (http://catalog.vsu.edu/undergraduate/general-	3
ENGT 321	Engineering Economy	3
ELET 304	Advanced Circuit Analysis	3

## **General Education Requirements for the** B.S. Degree

Code Title Credit
Hours

GE English Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geenglishelectivestext)

GE Global Studies Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geglobalstudiestext)

GE History Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gehistoryelectivestext)

GE Humanities Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geselectivestext)

GE Literature Electives (http://catalog.vsu.edu/undergraduate/ general-education-programs/#geliteratureelectivestext)

GE Science Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gescienceelectivestext)

GE Social Science Electives (http://catalog.vsu.edu/undergraduate/ general-education-programs/#gesocialscienceelectivestext)

GE Wellness/Health Electives (http://catalog.vsu.edu/ undergraduate/general-education-programs/#gewellnesshealthtext)

GE Mathematics Electives (http://catalog.vsu.edu/undergraduate/ general-education-programs/#gemathematicselectivestext)

## **Total Requirements Semester Hours: 33**

A single course may simultaneously fulfill a general education requirement and a departmental or major/minor requirement. A single course cannot be used to fulfill more than one general education requirement. Department or major/minor areas may opt to exceed the minimum credit hour requirements above.

Code	Title	Credit			
ELET 101	Circuit Analysis I	Hours			
ELET 101	Circuit Analysis I	3			
ELET 102	Circuit Analysis II	3			
ELET 103	Circuit Analysis I Lab	1			
ELET 104	Circuit Analysis II Lab	1			
ELET 203	Intro to Electronics	3			
ELET 204	Electronic Circuits	3			
ELET 205	Introd to Electronics Lab	1			
ELET 206	Electronics Circuits Lab	1			
ELET 207	Digital Circuits	3			
ELET 208	Microprocessors	3			
ELET 209	Digital Circuits Lab	1			
ELET 211	Microprocessors Lab	1			
ELET 304	Advanced Circuit Analysis	3			
ELET 306	Advanced Electronics	3			
ELET 307	Advanced Electronics Lab	1			
ELET 309	Advanced Digital Circuit	3			
ELET 311	Adv Digital Circuits Lab	1			
ELET 401	Electric Machinery	3			
ELET 403	Control Systems	3			
ELET 406	Communication Systems	3			
Total Credit Hour	Total Credit Hours 44				
Code	Title	Credit			
		Hours			
ENGT 100	Introduction Engineering Tech	2			
		_			
ENGT 105	Engineering Problem Solving	2			
ENGT 261	Fundamentals of ENGR Graphics	3			
ENGT 261 MCET 102	Fundamentals of ENGR Graphics Machines Laboratory	3 1			
ENGT 261 MCET 102 ENGT 301	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming	3 1 3			
ENGT 261 MCET 102	Fundamentals of ENGR Graphics Machines Laboratory	3 1 3 3			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I	3 1 3 3			
ENGT 261 MCET 102 ENGT 301 ENGT 321	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy	3 1 3 3			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I	3 1 3 3			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420 ENGT 421	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I Senior Project II	3 1 3 3 3 2			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420 ENGT 421 INLT 292	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I Senior Project II Introduction to ERP Quality Management Introduction to Physics I	3 1 3 3 3 2 3			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420 ENGT 421 INLT 292 INLT 383	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I Senior Project II Introduction to ERP Quality Management	3 1 3 3 3 2 3 3			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420 ENGT 421 INLT 292 INLT 383 PHYS 105	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I Senior Project II Introduction to ERP Quality Management Introduction to Physics I Introduction to Physics I Introduction to Physics II	3 1 3 3 3 2 3 3 3 3			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420 ENGT 421 INLT 292 INLT 383 PHYS 105	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I Senior Project II Introduction to ERP Quality Management Introduction to Physics I Introduction to Physics I	3 1 3 3 3 2 3 3 3 3			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420 ENGT 421 INLT 292 INLT 383 PHYS 105 PHYS 105 PHYS 106	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I Senior Project II Introduction to ERP Quality Management Introduction to Physics I Introduction to Physics I Introduction to Physics II	3 1 3 3 3 2 3 3 3 3 1			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420 ENGT 421 INLT 292 INLT 383 PHYS 105 PHYS 105 PHYS 106 PHYS 106	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I Senior Project II Introduction to ERP Quality Management Introduction to Physics I Introduction to Physics II Introduction to Physics II Introduction to Physics II	3 1 3 3 3 2 3 3 3 1 3 1			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420 ENGT 421 INLT 292 INLT 383 PHYS 105 PHYS 105 PHYS 106 PHYS 106 MATH 260	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I Senior Project II Introduction to ERP Quality Management Introduction to Physics I Introduction to Physics I Introduction to Physics II	3 1 3 3 3 2 3 3 3 1 3 1			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420 ENGT 421 INLT 292 INLT 383 PHYS 105 PHYS 105 PHYS 106 PHYS 106 MATH 260 MATH 261	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I Senior Project II Introduction to ERP Quality Management Introduction to Physics I Introduction to Physics II Calculus I Calculus II Technical Communication	3 1 3 3 3 2 3 3 3 1 3 1 4			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420 ENGT 421 INLT 292 INLT 383 PHYS 105 PHYS 105 PHYS 106 PHYS 106 MATH 260 MATH 261 ENGL 342	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I Senior Project II Introduction to ERP Quality Management Introduction to Physics I Introduction to Physics II Calculus I Calculus II Technical Communication	3 1 3 3 3 2 3 3 3 1 3 1 4 4 4			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420 ENGT 421 INLT 292 INLT 383 PHYS 105 PHYS 105 PHYS 106 MATH 260 MATH 261 ENGL 342 Total Credit Hour	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I Senior Project II Introduction to ERP Quality Management Introduction to Physics I Introduction to Physics II Calculus I Calculus II Technical Communication	3 1 3 3 3 3 2 3 3 1 3 1 4 4 4 3			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420 ENGT 421 INLT 292 INLT 383 PHYS 105 PHYS 105 PHYS 106 MATH 260 MATH 261 ENGL 342 Total Credit Hour	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I Senior Project II Introduction to ERP Quality Management Introduction to Physics I Introduction to Physics I Introduction to Physics II Calculus I Calculus II Technical Communication	3 1 3 3 3 2 3 3 1 1 3 1 4 4 4 Credit			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420 ENGT 421 INLT 292 INLT 383 PHYS 105 PHYS 105 PHYS 106 MATH 260 MATH 261 ENGL 342 Total Credit Hour	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I Senior Project II Introduction to ERP Quality Management Introduction to Physics I Introduction to Physics II Calculus I Calculus II Technical Communication  Title  Ves Technical Courses	3 1 3 3 3 3 2 3 3 1 3 1 4 4 4 3 Credit Hours			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420 ENGT 421 INLT 292 INLT 383 PHYS 105 PHYS 106 PHYS 106 MATH 260 MATH 261 ENGL 342 Total Credit Hour Code Restricted Electiv	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I Senior Project II Introduction to ERP Quality Management Introduction to Physics I Introduction to Physics II Calculus I Calculus II Technical Communication  Title  Ves Technical Courses	3 1 3 3 3 3 2 3 3 1 4 4 4 3 44 Credit Hours 3			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420 ENGT 421 INLT 292 INLT 383 PHYS 105 PHYS 106 PHYS 106 MATH 260 MATH 261 ENGL 342 Total Credit Hour Code Restricted Election	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I Senior Project II Introduction to ERP Quality Management Introduction to Physics I Introduction to Physics II Calculus I Calculus II Technical Communication  Title  Ves Technical Courses	3 1 3 3 3 3 3 3 1 3 1 4 4 4 3 Credit Hours			
ENGT 261 MCET 102 ENGT 301 ENGT 321 ENGT 420 ENGT 421 INLT 292 INLT 383 PHYS 105 PHYS 106 PHYS 106 MATH 260 MATH 261 ENGL 342 Total Credit Hour Code Restricted Electiv	Fundamentals of ENGR Graphics Machines Laboratory Computer Programming Engineering Economy Senior Project I Senior Project II Introduction to ERP Quality Management Introduction to Physics I Introduction to Physics II Introduction II Calculus I Calculus II Technical Communication  Title  Technical Courses	3 1 3 3 3 3 2 3 3 1 4 4 4 3 Credit Hours 3 3 Credit			

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Core Requirements

Total Credit Hours	124
Electives	3
Major/Concentration Requirements	44