

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

Freshman Year

1st Semester	Credit Hours
ENGT 261 Fundamentals of ENGR Graphics	3
ENGT 100 Introduction Engineering Tech	2
ENGL 110 Composition I ^{GE-ENG}	3
MCET 102 Machines Laboratory	1
MATH 150 Precalculus ^{GE-MAT}	4
GE History Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gehistoryelectivestext)	3
Credit Hours	16

2nd Semester

ELET 101 Circuit Analysis I	3
ELET 103 Circuit Analysis I Lab	1
ENGT 105 Engineering Problem Solving	2
ENGL 111 Composition II ^{GE-ENG}	3
GE Wellness/Health Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gewellnesshealthtext)	1
STAT 210 Elementary Statistics I ^{GE-MAT}	3
PSYC 101 Introduction to Psychology ^{GE-SOC}	3
Credit Hours	16

Sophomore Year

1st Semester

ELET 203 Introd to Electronics	3
ELET 205 Introd to Electronics Lab	1
ELET 207 Digital Circuits	3
ELET 209 Digital Circuits Lab	1
MATH 260 Calculus I	4
ELET 102 Circuit Analysis II	3
ELET 104 Circuit Analysis II Lab	1
Credit Hours	16

2nd Semester

ELET 204 Electronic Circuits	3
ELET 206 Electronics Circuits Lab	1
ELET 208 Microprocessors	3
ELET 211 Microprocessors Lab	1
MATH 261 Calculus II	4
PHYS 105 Introduction to Physics I	3
PHYS 105 Introduction to Physics I ^{LAB}	1
Credit Hours	16

Junior Year

1st Semester

GE Wellness/Health Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gewellnesshealthtext)	1
ELET 306 Advanced Electronics	3
ELET 307 Advanced Electronics Lab	1
ENGT 301 Computer Programming	3
SPEE 214 Introduction To Public Speakin ^{GE-SCI}	3
PHYS 106 Introduction to Physics II	3
PHYS 106 Introduction to Physics II ^{LAB}	1
Credit Hours	15

2nd Semester

ELET 309 Advanced Digital Circuit	3
ELET 311 Adv Digital Circuits Lab	1

ELET 304 Advanced Circuit Analysis	3
ENGT 321 Engineering Economy	3
ENGL 342 Technical Communication	3
GE Literature Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geliteratureelectivestext)	3
Credit Hours	16

Senior Year

1st Semester

ELET 403 Control Systems	3
INLT 292 Introduction to ERP	3
PHIL 275 Ethics ^{GE-HUM} or PHIL 450 or Applied Ethics	3
INLT 383 Quality Management	3
ENGT 420 Senior Project I	3
Credit Hours	15

2nd Semester

ELET 401 Electric Machinery	3
ELET 406 Communication Systems	3
GE Global Studies Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geglobalstudiestext)	3
Restricted Elective ^{Technical Course}	3
ENGT 421 Senior Project II	2
Credit Hours	14
Total Credit Hours	124

General Education Requirements for the B.S. Degree

Code	Title	Credit Hours
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GE English Electives (<http://catalog.vsu.edu/undergraduate/general-education-programs/#geenglishselectivestext>)

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 Hours	Major/Concentration Requirements	44
ELET 101	Circuit Analysis I	3	Electives	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 Hours		44	Total Credit Hours	124

Code	Title	Credit Hours
ENGT 100	Introduction Engineering Tech	2
ENGT 105	Engineering Problem Solving	2
ENGT 261	Fundamentals of ENGR Graphics	3
MCET 102	Machines Laboratory	1
ENGT 301	Computer Programming	3
ENGT 321	Engineering Economy	3
ENGT 420	Senior Project I	3
ENGT 421	Senior Project II	2
INLT 292	Introduction to ERP	3
INLT 383	Quality Management	3
PHYS 105	Introduction to Physics I	3
PHYS 105	Introduction to Physics I ^{LAB}	1
PHYS 106	Introduction to Physics II	3
PHYS 106	Introduction to Physics II ^{LAB}	1
MATH 260	Calculus I	4
MATH 261	Calculus II	4
ENGL 342	Technical Communication	3
Total Credit Hours		44

Code	Title	Credit Hours
Restricted Electives	Technical Courses	3
Total Credit Hours		3

Code	Title	Credit Hours
General Education		33
Core Requirements		44