SOUTH DAKOTA STATE UNIVERSITY

Bachelor of Science
Major: Electronics Engineering Technology
2025-2026 Sample 4-Year Plan
Total Degree Requirements: 120 credits

Student _____ **Student ID#** _____ **Student Phone #** _____

Advisor _____ **Minimum GPA** 2.0 **Minor/Career Interest(s)** _____

Students are not limited to this plan; it is meant to be used as a guide for planning purposes in consultation with your advisor. The sample schedule is one possible path to completing your degree within four years. For official program requirements, please refer to the Undergraduate Catalog.

FIRST YEAR

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
CM 130	Management Tools and Analysis		3		
GE 101	Introduction to Engineering and Technical Professions		1		
GE 121	Engineering Design Graphics I	c. one math course except for 021, 101, or 100T (first half of semester)	1		
GE 123	Computer Aided Drawing	p. GE 121 (second half of semester)	1		
MATH 114	College Algebra (SGR #5)	p. placement, MATH 095 or MATH 101, or MATH 103	3		
SGR #1	Written Communication		3		
SGR #4	Arts and Humanities		3		
		Total Credit Hours	15		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ET 210	Introduction to Electronic Systems	p. MATH 114	3		
ET 210L	Introduction to Electronic Systems and Lab	c. ET 210	1		
MATH 121	Survey of Calculus	p. MATH 114, MATH 115, or placement	4		
MATH 121L	Survey of Calculus Lab	c. MATH 121	1		
SGR #2	Oral Communications		3		
SGR #4	Arts and Humanities		3		
		Total Credit Hours	15		

SECOND YEAR

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ENGL 277	Technical Writing in Engineering (SGR #1)	p. ENGL 101 and GE 101, AST 119, PHYS 119, or PS 119, or instructor consent	3		
ET 220	Analog Electronics	p. ET 210	3		
ET 220L	Analog Electronics Lab	c. ET 220	1		
ET 232	Digital Electronics and Microprocessors	p. ET 210	2		
ET 232L	Digital Electronics and Microprocessors Lab	c. ET 232	1		
PHYS 111	Introduction to Physics I (SGR #6)	p. one MATH 114 or higher or consent	3		
PHYS 111L	Introduction to Physics I Lab (SGR #6)	c. PHYS 111	1		
SGR #3	Social Science	Must fulfill civics requirement	3		
		Total Credit Hours	17		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ACCT 210	Principles of Accounting I		3		
CSC 150	Computer Science I		3		
ECON 201	Principles of Microeconomics (SGR #3)		3		
ET 240	Techniques of Servicing	p. ET 210	3		
PHYS 113	Introduction to Physics II (SGR #6)	p. PHYS 111	3		
PHYS 113L	Introduction to Physics II Lab (SGR #6)	c. PHYS 113	1		
		Total Credit Hours	16		

Information Subject to Change. This is not a contract.

p. = Course Prerequisite, c.= Course Corequisite
Semester: F = Fall, S = Spring, SU = Summer

THIRD YEAR

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MGMT 360 or GE 385	Organization and Management or Introduction to Systems Engineering and Management		3		
ET 325	Advanced Analog Electronics	p. ET 220 and MATH 121	3		
ET 325L	Advanced Analog Electronics Lab	c. ET 325	1		
MNET 367	Production Strategy	p. MNET 150 or MNET 231 or ET 232 or consent	2		
MNET 367L	Production Strategy Lab	c. MNET 367	1		
Technical Elective			3		
		Total Credit Hours	13		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ET 330	Microcontrollers and Networks	p. ET 232 and CSC 150	2		
ET 330L	Microcontrollers and Networks Lab	c. ET 330	1		
ET 332	Advanced Digital Electronics	p. ET 232	2		
ET 332L	Advanced Digital Electronics Lab	c. ET 332	1		
ET 380	Circuit Boards and Design	p. ET 220	2		
ET 380L	Circuit Boards and Design Lab	c. ET 380	1		
STAT 281	Introduction to Statistics	p. MATH 103 or higher	3		
Technical Elective			3		
		Total Credit Hours	15		

FOURTH YEAR

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ET 345	Power Systems	p. ET 220	2		
ET 345L	Power Systems Lab	c. ET 345	1		
ET 451	Industrial Controls and PLCs	p. ET 210	2		
ET 451L	Industrial Controls and PLCs Lab	c. ET 451	1		
ET 490	Seminar		1		
HRM 460 or LDR 435	Human Resource Management or Organizational Leadership and Team Development	p. MGMT 360 or p. Junior standing	3		
GE 470	Project Management	p. ENGL 201 or ENGL 277, senior standing, or instructor approval	2		
Technical Elective			3		
		Total Credit Hours	15		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ET 426	Communication Systems	p. ET 325	2		
ET 426L	Communications Systems Lab	c. ET 426	1		
ET 471	Capstone Experience	p. GE 470 or GE 469 and ET 325	2		
GE 231	Technology, Society, and Ethics		3		
OM 462	Quality Management	p. STAT 281 or STAT 381	3		
Technical Elective			3		
		Total Credit Hours	14		

COMMENTS/NOTES

Students from all academic majors can pursue graduation with Fishback Honors College distinction. View the Honors program requirements.