

# Bachelor of Science in Engineering

## Computer Engineering Concentration | 4-Year Sample Sequence

**2026-2027 Sample Course Schedule** -- This is a recommended schedule and may be altered as needed. Consult your adviser when making changes. See degree audit for Christian Service requirements.

### Year 1

#### Summer

ENGL 101	Critical Thinking in Academic R/W I	3
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#### Fall

NOND 101	Southern Connections	1
ENGR 152	Intro to Computer Aided Drawing & Modeling	2
MATH 191	Calculus I	4
CHEM 151	General Chemistry I	4
ENGL 102	Critical Thinking in Academic R/W II	3
PEAC 125	Fitness for Collegiate Life	1
<b>Total:</b>		<b>15</b>

#### Winter

ENGR 123	Introduction to Engineering Design	1
ENGR 200	Digital Logic & Design	3
MATH 192	Calculus II	4
MATH 200	Elementary Linear Algebra	2
CPTR 124	Fundamentals of Programming	4
COMM 135	Intro to Public Speaking	3
<b>Total:</b>		<b>17</b>

### Year 2

#### Summer

ENGR 211	Engineering Mechanics: Statics	3
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#### Fall

ENGR 220	Introduction to Signal Processing	4
MATH 218	Calculus III	4
PHYS 221	Physics for Scientists & Engineers I	4
PHYS 223	Physics for Scientists & Engineers Lab I	1
CPTR 215	Fundamentals of Software Design	4
<b>Total:</b>		<b>17</b>

#### Winter

ENGR 282	Sophomore Design Lab	1
MATH 315	Differential Equations	3
PHYS 222	Physics for Scientists & Engineers II	4
PHYS 224	Physics for Scientists & Engineers Lab II	1
ENGR 212	Engineering Mechanics: Dynamics	3
ENGR 224	Circuit Analysis	4
<b>Total:</b>		<b>16</b>

### Year 3

#### Fall

ENGR 332	Computer Architecture	4
ENGR 370	Mechatronics	4
CPTR 318	Data Structures and Algorithms	3
R-1	Spiritual Development	3
P-1b	PEAC Activity Course	1
<b>Total:</b>		<b>15</b>

#### Winter

ENGR 385	Robotics, Controls, Automation	4
ENGR 412	Embedded Systems Development	4
CPTR 365	Operating Systems	3
R-2	Seventh-day Adventist Teachings	3
P-1b	PEAC Activity Course	1
CPT 100	Computer Concepts	1
<b>Total:</b>		<b>16</b>

### Year 4

#### Fall

ENGR 327	Probability and Statistics	3
ENGR 461	Engineering Economics, Ethics, and Prof. (W)	3
ENGR 472	Senior Design I	2
ENGR/CPTR UD	CmpE Approved Elective	4
R-3	Biblical Studies (W)	3
<b>Total:</b>		<b>15</b>

#### Winter

ENGR 480	Fundamentals of Engineering Exam	0
ENGR 482	Senior Design II	2
IN-8	Human Development	3
R-4	Biblical Studies (W)	3
PEAC 425	Fit for Hire	1
IN-6	History	3
IN-10	Aesthetic Analysis	3
<b>Total:</b>		<b>15</b>

(as of March 2026)

**Grand Total: 132**