

ENGINEERING (COMPUTER or ELECTRICAL)

NAME	I.D.#	Expected Grad Date	B.S.E. Degree
General Education Requirements			
<u>3</u>	THEO 110 Intro to Christianity		
<u>3</u>	BLIT 210 Christian Scriptures		
<u>3</u>	CMIN 310 Christian Living		
<u>3</u>	Approved Stewardship Course* _____		
<u>3</u>	ENGL 109 College Writing I		
<u>3</u>	COMM 105 Fundamentals of Communication		
<u>3</u>	HIST 200 Western Civilization		
<u>3</u>	Approved Social Science Course* _____		
<u>6</u>	Approved Humanities Courses* Select 3 hours from <u>two</u> different areas: Fine Arts, Literature, Philosophy, Modern Languages _____		
<u>3-8</u>	Elementary Foreign Language I and II OR Approved International Culture course* _____		
<u>3-4</u>	BIOL 201 or approved biological science course* _____		
*See olivet.edu/registrar for approved list of courses			
Required Supporting Courses:			
<u>4</u>	CHEM 103 General Chemistry I		
<u>4</u>	MATH 147 Calculus I		
<u>4</u>	MATH 148 Calculus II		
<u>3-4</u>	MATH 241 Statistics OR MATH 351 Linear Algebra		
<u>4</u>	MATH 261 Calculus III		
<u>3</u>	MATH 357 Differential Equations		
<u>4</u>	PHYS 201 General Physics I		
<u>4</u>	PHYS 202 General Physics II		
Major: 55-64 hours – 2.000 required in major			
<u>3</u>	ENGR 101 Engineering Design I		
<u>3</u>	ENGR 102 Engineering Design II		
<u>3</u>	ENGR 401 Senior Design Project I/Tech Comm		
<u>2</u>	ENGR 402 Senior Design Project II/Exprmt Dsgn		
<u>3</u>	ENGR 403 Engineering Economics		
PLUS completion of one of the following concentrations:			
A. Computer Concentration:			
<u>3</u>	COMP 150 Programming: Control Structures		
<u>3</u>	COMP 237 Networking Technologies		
<u>3</u>	COMP 250 Programming: Data Structures		
<u>3</u>	COMP 311 Discrete Mathematics		
<u>3</u>	COMP 338 Wireless Technologies & RF		
<u>3</u>	ENGR 210 Thermo-Fluids Engineering		
<u>4</u>	ENGR 212 Engineering Mechanics OR		
<u>3</u>	ENGR 213 Statics and		
<u>3</u>	ENGR 215 Dynamics OR		
<u>3</u>	ENGR 216 Mechanics of Materials		
<u>3</u>	ENGR 221 Digital Systems		
<u>3</u>	ENGR 222 Electric Circuit Analysis		
<u>3-4</u>	ENGR 321 Digital Electronics OR ENGR 322 Analog Electronics		
<u>3</u>	ENGR 341 Embedded Systems		
<u>3-4</u>	ENGR 421 Circuits and Signal Processing OR ENGR 422 Communication Systems		
<u>3</u>	ENGR 441 Computer Architecture		
Plus one (1) additional upper division (300/400 level) ENGR course to be approved by the Dept. of Engineering			
B. Electrical Concentration:			
<u>3</u>	COMP 237 Networking Technologies		
<u>3</u>	COMP 338 Wireless Technologies & RF		
<u>3</u>	ENGR 107 Computational Engineering OR COMP 150 Programming: Control Structures		
<u>3</u>	ENGR 210 Thermo-Fluids Engineering		
<u>4</u>	ENGR 212 Engineering Mechanics OR		
<u>3</u>	ENGR 213 Statics and		
<u>3</u>	ENGR 215 Dynamics OR		
<u>3</u>	ENGR 216 Mechanics of Materials		
<u>4</u>	ENGR 221 Digital Systems		
<u>3</u>	ENGR 222 Electric Circuit Analysis		
<u>4</u>	ENGR 322 Analog Electronics		
<u>4</u>	ENGR 323 Automatic Controls		
<u>3</u>	ENGR 341 Embedded Systems		
<u>3-4</u>	ENGR 421 Circuits/Signal Process. OR ENGR 422 Comm. Systems		

**Plus one (1) additional upper division (300/400 level)
ENGR course to be approved by the Dept. of Engineering**

**All required Engineering and supporting Math and
Science courses must be completed with a grade of
C or better to be eligible for graduation.**