

B.S. IN MECHANICAL ENGINEERING TECHNOLOGY (2+2 PROGRAM)

General Education

Required Courses: 25 Credits

College Composition I	3
College Composition II	3
Public Speaking or Effective Speech	3
Chemistry I	4
Calculus I	4
Physics I (Mechanics)	4
Physics II (Elec. & Mag.)	4

Suggested MET Courses

Select a minimum of 15 credits

Electrical Circuits	4
Engineering Graphics	3
Programmable Logic Controllers	3
Calculus II	4
Statics	3
Dynamics	3
Applied Thermal Energy I	3
Mechanics of Materials	3
CNC Programming	4
Programming (Matlab)	3

Notes & Recommendations:

1. Physics classes are non-calculus based
2. Any introduction to engineering or an introductory engineering technology-related course can be used.

FIRST YEAR - Typical Sequence and Mapping to Rowan Courses

FALL	CR	SPRING	CR
Precalculus MATH 01.122 (Quantitative Literacy)	4	Calculus I MATH 01.130	4
Physics I (w/o Calc) PHYS 00.210 (Scientific Literacy)	4	Physics II (w/o Calc) PHYS 00.211	4
College Comp I COMP 01.111	3	Electric Circuits I EET 03.121	3
Engineering Graphics MET 07.102	3	Intro to Engineering Lab I EG 103	2
Intro to Engineering 1 EG 101	2	College Comp II COMP 01.112	3
TOTAL	16	TOTAL	16

SECOND YEAR - Typical Sequence and Mapping to Rowan Courses

FALL	CR	SPRING	CR
Intro to Engineering II EG 211	2	Gen Ed or Tech elective	3
Micro or macro economics (Humanistic Lit.)	3	Public Speaking CMS 04.205 (Comm Literacy)	3
Statics MET 07.271	3	Dynamics MET 07.291	3
General Chemistry CHEM 06.100	3	Intro to Engineering II Lab EG 212	1
CNC Programming MET 07.251	4	MatLab Programming MET 07.255	3
TOTAL	15	TOTAL	13

THIRD YEAR - ROWAN UNIVERSITY

FALL	CR	SPRING	CR
Junior Tech. Clinic I ENGR 02.351	2	Junior Tech. Clinic II ENGR 02.352	2
Strength of Materials ENGR 01.273	3	Intro to Mechanical Design ME 10.101	3
Calculus II MATH 01.131	4	Applied Fluid Mechanics MET 07.311	3
Manufac & Measurement Techniques ME 10.210	2	Artistic Literacy Rowan Core	3
Applied Thermal Energy MET 07.201	3	Applied Thermal Energy II MET 07.301	3
		Business/Economics BUS/ECO	3
TOTAL	14	TOTAL	17

FOURTH YEAR - ROWAN UNIVERSITY

FALL	CR	SPRING	CR
Senior Tech. Clinic I EGR 02.451	2	Senior Tech. Clinic II ENGR 02.452	2
Applied Heat Transfer MET 07.312	3	Material Science & Manufacturing ENGR 01.283	3
Quality and Reliability ME 10.342	3	Global Literacy RowanCore	3
Intro to Advanced Manufacturing ME 10.440	3	Machine Design ME 10.301	4
MET/ME Elective I ME 07.4XX	3	MET/ME Elective II MET 07.4XX	3
TOTAL	14	TOTAL	15

TOTAL PROGRAM CREDITS:

120