

CCBC AS Engineering to RMU BS Mechanical Engineering



CCBC Degree Requirements			RMU Degree Requirements Equivalencies			
CCBC COURSEWORK			RMU UNIVERSITY CORE REQUIREMENTS			
Designation	Course Number	Course Title	Designation	Course Number	Course Title	Credits
WRIT	101	English Composition	CSEN	1010	Reading & Writing Strategies	3
WRIT	102	English Composition II (Sub. for CIST 100)	CSEN	1020	Argument & Research	3
TAOC 5	_____	Restrict to BUSM 255 or 256	ECON	1010	Survey of Economics	3
TAOC 6	_____	Restrict to LITR courses	ENGL	_____	Literature Elective	3
PSYC	101	General Psychology	PSYC	1010	General Psychology	3
CIST	150	C++ Programming	INFS	2184	C++ Programming	3
MATH	160	Calculus I	MATH	2070	Calculus w/ Analytic Geometry I	4
CHEM	101	Chemistry I	CHEM	1210/1215	General Chemistry I with Lab	4
CCBC COURSEWORK			RMU MATH & SCIENCE, BASIC ENGINEERING, AND MAJOR REQUIREMENTS			
Designation	Course Number	Course Title	Designation	Course Number	Course Title	Credits
ENGR	250	Statics and Strength of Materials	ENGR	1610	Statics and Strength of Materials	3
ENGR	160	Engineering Fundamentals	ENGR	1010	Introduction to Engineering	3
ENGR	120	CAD: Computer Aided Drafting	ENGR	2160	Engineering Graphics	3
MATH	161	Calculus II	MATH	2170	Calculus w/ Analytic Geometry II	4
MATH	200	Calculus III	MATH	3090	Calculus w/ Analytic Geometry III	4
MATH	220	Differential Equations*	MATH	3420	Differential Equations	3
ENGR	240	Electrical Circuit Analysis	ENGR	2140	Circuits and Electromagnetics	3
PHYS	202	University Physics I	PHYS	1210/1215	Physics I w/ Lab	4
PHYS	203	University Physics II	PHYS	2210/2215	Physics II w/ Lab	4
CCBC COURSEWORK			RMU APPROVED ELECTIVES			
Designation	Course Number	Course Title	Designation	Course Number	Course Title	Credits
ENGR	130	Robotics	ENGR	4700	Robotics and Automation (Engr. Elective)	3
RMU REMAINING COURSEWORK (Degree Requirements = 120 Credits)						
Designation	Course #	Course Title	Designation	Course #	Course Title	
CSEN	1020	Argument & Research	CSCM	2040	Prof. Comm. in Workplace	
CSCM	1030	Public Speaking & Persuasion	HIST	_____	History Elective	
HUMA	1010	Humanities: Art & Music	MATH	3400	Linear Algebra with Applications	
ENGR	2080	Engineering Statistics	MGMT	2000	Management Theory & Practice	
ENGR	2180	Engineering Materials	MARK	2000	Marketing in an Interconnected World	
ENGR	3110	Thermodynamics & Energetics	ENGR	4900	Engineering Practice	
ACCT	1020	Fudamentals of Accounting	ENGR	4100	Machine Design	
ENGR	2100	Dynamics	ENGR	4950	Integrated Engineering Design	
ENGR	3300	Fluid Mechanics	ENGR	_____	Mechanical Engineering Elective	
ENGR	3200	Value Design	ENGR	4150	Design & Analysis of Mechanical Systems	
ENGR	3350	Heat Transfer	ENGR	_____	Engineering Elective**	

Minimum grade of "C" must be earned for transfer credit to be applied by RMU.

*1 credit from 4 credit course not applied to degree.

** See [here](#) for course options.

TOTAL CCBC CREDITS APPLIED	60
TOTAL RMU CREDITS REMAINING	66

For more information or to speak with an RMU Transfer Counselor, contact the [RMU Admissions Office](mailto:admissions@rmu.edu) at admissions@rmu.edu.