

REPUBLIQUE DU CAMEROUN  
Paix – Travail – Patrie

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INSTITUT UNIVERSITAIRE BENGONO  
TOURE GENEVIEVE  
Scientiarum - Excellentiam - Nobel  
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REPUBLIC OF CAMEROON  
Peace-Work-Fatherland

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THE BENGONO TOURE GENEVIEVE  
UNIVERSITY INSTITUTE  
SCIENTIARUM – EXCELLENTIAM – NOBEL  
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**INSTITUT SUPERIEUR DES SCIENCES DE L'INGENIEUR, DES INDUSTRIES ET DE L'INNOVATION**  
**THE HIGHER INSTITUTE OF ENGINEERING SCIENCES, INDUSTRIES AND INNOVATION**

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**BACHELOR'S IN ENGINEERING IN MECHANICAL MANUFACTURING  
ENGINEERING**

<b>CODES</b>	<b>COURSE NAMES</b>	<b>CREDIT</b>
	<b>YEAR ONE</b>	
BMME1110	Introduction to research science	4
BMME1111	Communication skills	3
BMME1112	Engineering mathematics	3
BMME1113	Physics (theories and lab)	3
BMME1114	Mechanics I and II	3
BMME1115	C/C++/Java programming	3
BMME1116	Linear Systems	3
BMME1117	Machine Design and Manufacturing Engineering Project 1	3
BMME1118	Differential Calculus with Applications to Physical Sciences and Engineering	3
BMME1119	Ethics and professional engineering	3
BMME1120	Engineering Materials I	3
BMME1121	Computer application	3
BMME1122	Introduction to Engineering I and II	3
BMME1123	Computer aided design I and II	3
BMME1124	Thermodynamics	3
BMME1125	Fluid Mechanics	3
BMME1126	Microcomputer and interfacing technology	3
BMME1127	English	3
BMME1128	Field work	3
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	<b>YEAR TWO</b>	
BMME2110	Engineering Materials II	3

BMME2111	Solid Mechanics	3
BMME2112	Electrotechnics & Electronics (including experiments):	3
BMME2112	Production Systems Management	3
BMME2113	Machine Design and Manufacturing Engineering Project 2	3
BMME2114	Machine Dynamics	3
BMME2115	Manufacturing Processes I	3
BMME2116	Mechanical Vibrations	3
BMME2117	Engineering Materials II	3
BMME2118	Interchangeability and Engineering Measurements	3
BMME2119	Computer-Aided Manufacturing	3
BMME2120	Industrial Automation: Robots, PLC, Embedded Systems I	3
BMME2121	Machine and Part Metrology	3
BMME2122	Production Systems Management II	3
BMME2123	Product Design and Development	3
BMME2124	Machine Design and Manufacturing Engineering Project 3	3
BMME2125	Manufacturing Processes II	3
BMME2126	Finite Element Methods	3
BMME2127	Precision engineering	3
BMME2128	Practical work(attachment )	3
		60
BMME3110	Computer Control of Mechatronics Systems	3
BMME3211	Engineering Economy	3
BMME3213	Manufacturing Processes III	3
BMME3112	Professional Engineering Practice	3
BMME3212	Robotics	3
BMME3113	Failure of structural materials	3
BMME3114	Life Cycle Analysis and Sustainability	3
BMME3115		3
	Supply Chain Tactics & Strategies	
BMME3116	Industrial Automation: Robots, PLC, Embedded Systems II	3
BMME3117	Control system Engineering	3
BMME3118	Computer-Aided Engineering (Product Realisation)	3
BMME3119	Solid mechanics and Dynamics	3
BMME3120	Computer Integrated manufacturing	3
BMME3121	Engineering Thermodynamics and Fluid Mechanics	3
BMME3122	Sustainable Development and Environmental Management	3
BMME3123	advanced materials science	3
BMME3124	Mechanical Vibration	3
BMME3125	Control system Engineering	3
BMME3126	Computer-Aided Engineering (Product Realisation)	3
BMME3110	Professional Practice	3
		60
	<b>YEAR FOUR</b>	

BMME4114	Fluid mechanics	3
BMME4115	Advanced Engineering chemistry	3
BMME4116	Engineering Mathematics and Principles	3
BMME4117	Finite element analysis and applications	3
BMME4118	Engineering Operation and Management	3
BMME4119	Computer programming	3
BMME4120	Manufacturing and Regulatory Systems	3
BMME3121	Engineering Design and Workshop Technology	3
BMME4122	Turbomachinery Applications	3
BMME4123	Control Engineering	3
BMME4125	Internship	10
BMME4126	Dissertation	20
		60