



**Bachelor of Engineering Technology Honours in Mechanical Engineering degree**  
**BET Hons (Mech Eng)**

[Degree was approved by UGC on 1<sup>st</sup> Jan 2021]

**Department of Engineering Technology**  
**Faculty of Technological Studies**  
**Uva Wellassa University of Sri Lanka**

**Compulsory Course:** CC (118 credits)

**Optional Course\*\*:** OC (6 credits)

\*\*From those 6 optional credits courses student must complete minimum of 4 credits to obtain the degree

*Minimum Credit Requirement is **120** credits*

### **100 Level Semester I**

<b>Code</b>	<b>Title</b>	<b>Credits</b>
MET 111-4	Fundamentals of Mathematics (CC)	4
ESD 121-1	English Language I (CC)	1
MET 121-3	Physics (CC)	3
MET 122-2	Chemistry (CC)	2
MET 141-3	Introduction to Computer Engineering (CC)	3
ESD 151-1/ESD 161-1	Sinhala I/Tamil Language I (CC)	1
MET 171-3	Workshop Technology (CC)	3
	Total Credits	<b>17</b>

### **100 Level Semester II**

<b>Code</b>	<b>Title</b>	<b>Credits</b>
ESD 111-1	Communication skills (CC)	1
MET 112-2	Fundamentals of Statistics (CC)	2
MET 113-3	Calculus (CC)	3
ESD 122-1	English Language II (CC)	1
MET 142-3	Computer Programming (CC)	3
ESD 152-1/ESD162-1	Sinhala II/Tamil Language II (CC)	1
MET 161-3	Materials Science for Engineering Technology (CC)	3
MET 172-3	Engineering Drawing & CAD (CC)	3
	Total Credits	<b>17</b>

## **200 Level Semester I**

<b>Code</b>	<b>Title</b>	<b>Credits</b>
BGE 211-2	Aesthetic studies (CC)	2
MET 211-3	Numerical Methods (CC)	3
MET 251-3	Fundamentals of Electrical Engineering (CC)	3
MET 252-3	Fundamentals of Electronic Engineering (CC)	3
MET 261-3	Mechanics of Machines (CC)	3
MET 271-3	Fundamentals of Thermodynamics (CC)	3
	Total Credits	<b>17</b>

## **200 Level Semester II**

<b>Code</b>	<b>Title</b>	<b>Credits</b>
MET 212-2	Complex Analysis and Mathematical Transforms (CC)	2
MET 231-2	Engineering Ethics (CC)	2
MET 253-3	Electrical Machines (CC)	3
MET 262-2	Mechanics of Materials (CC)	2
MET 272-2	CAD/CAM(CC)	2
MET 273-3	Fluid Mechanics (CC)	3
MET 274-3	Controls and Instrumentation Engineering (CC)	3
	Total Credits	<b>17</b>

### 300 Level Semester I

Code	Title	Credits
MET 316-2	Probability and Statistics (CC)	2
MET 351-2	Engineering Measurements and Instruments (CC)	2
MET 371-3	Manufacturing Technology (CC)	3
MET 372-3	Product Modeling & Design (CC)	3
MET 373-2	Applied Thermodynamics (CC)	2
MET 374-3	Group Design Project (CC)	3
MET 375-3	Automobile Engineering (CC)	3
	Total Credits	<b>18</b>

### 300 Level Semester II

Code	Title	Credits
MET 376-6	Industrial Training (CC)	6
	Total Credits	<b>6</b>

### **400 Level Semester I**

<b>Code</b>	<b>Title</b>	<b>Credits</b>
MET 431-1	Safety and Risk Management (OC)	1
MET 432-2	Engineering Economics (CC)	2
MET 433-1	Scientific Writing (CC)	1
MET 471-6	Final Year Project (CC)	3
MET 472-3	Farm Machinery Technology I (CC)	3
MET 473-3	Mechatronics (CC)	3
MET 474-2	Maintenance Management (CC)	2
MET 475-1	Sustainable Consumption and Production (OC)	1
	Total Credits	<b>16</b>

### **400 Level Semester II**

<b>Code</b>	<b>Title</b>	<b>Credits</b>
MET 434-2	Business Management Entrepreneurship (CC)	2
MET 435-2	Energy Management (OC)	2
MET 436-2	Industrial Quality Management (CC)	2
MET 471-6	Final Year Project-continue (CC)	3
MET 476-2	Industrial Engineering Technology (CC)	2
MET 477-3	Farm Machinery Technology II (CC)	3
MET 478-2	Building Service Technology (OC)	2
	Total Credits	<b>16</b>