



SURIGAO STATE COLLEGE OF TECHNOLOGY

Surigao City

COLLEGE OF INDUSTRIAL TECHNOLOGY

**BACHELOR IN MECHANICAL ENGINEERING TECHNOLOGY with concentration in**

**MECHANICAL TECHNOLOGY**

**(Ladderized Education Program)**

Name: \_\_\_\_\_

A.Y. \_\_\_\_\_

Address: \_\_\_\_\_

**FIRST YEAR**

**FIRST SEMESTER**

GRADE	SUBJECT	DESCRIPTION	Lect	Lab	Units
	MT 101	Benchwork (Basic - Complex)	2	9	5
	MT 102	Basic Welding	1	6	3
	English 101	Communication Arts I	3	0	3
	Filipino 101	Komunikasyon sa Akademikong Filipino	3	0	3
	Math 101	College Algebra	3	0	3
	Nat Sci 101	General Chemistry	3	3	4
	ICT 1	Information & Comm. Tech.	2	3	3
	Drawing 101	Fund. of Tech'l Sketchng/Drwng/BPR	0	6	2
	P.E. 101	Physical Fitness	2	0	2
	NSTP 1	National Service Training Program	3	0	3
		<b>TOTAL</b>	<b>22</b>	<b>27</b>	<b>31</b>

**SECOND SEMESTER**

GRADE	SUBJECT	DESCRIPTION	Lect	Lab	Units
	MT 103	Lathe Turning Process (Basic - Intermediate)	2	9	5
	MT 104	Basic Metallurgy	1	6	3
	English 102	Communication Arts II	3	0	3
	Filipino 102	Pagbasa at Pagsulat Tungo sa Pananaliksik	3	0	3
	Drawing 102	Advanced Project Design w/ CAD	0	6	2
	Math 102	Plane and Spherical Trigonometry	3	0	3
	Philo 1	Logic and Work Ethics	3	0	3
	P.E. 102	Rythmic Activities	2	0	2
	NSTP 2	National Service Training Program	3	0	3
		<b>TOTAL</b>	<b>20</b>	<b>21</b>	<b>27</b>

**SECOND YEAR**

**FIRST SEMESTER**

GRADE	SUBJECT	DESCRIPTION	Lect	Lab	Units
	MT 201	Milling Process (Basic - Intermediate)	2	9	5
	MT 202	Metrology	1	6	3
	Soc Sci 201	Gen. Psychology incldng Pop Ed	3	0	3
	Engl 201	Speech and Oral Communication	3	0	3
	Physics 201	Mechanics and Waves	3	3	4
	Math 201	Probability and Statistics	3	0	3
	Lit 1	Philippine Literature	3	0	3
	Rizal	Life, Works and Writing	3	0	3
	P.E. 201	Individual/Dual Sports	2	0	2
		<b>TOTAL</b>	<b>23</b>	<b>18</b>	<b>29</b>

**SECOND SEMESTER**

GRADE	SUBJECT	DESCRIPTION	Lect	Lab	Units
	MT 203	Grinding Principle and Process (Basic - Complex)	3	9	6
	MT 204	Advanced Heat Treatment	1	6	3
	English 202	Technical Writing incld Fund. of Research	3	0	3
	Soc.Sci 202	Principle of Economics with TLR and Cooperative	3	0	3
	History 1	Philippine History, Roots and Development	3	0	3
	Soc.Sci 203	Politics, Governance & Phil. Constitution	3	0	3
	Physics 202	Heat, Electricity and Magnetism	3	3	4
	P.E. 202	Team Sports	2	0	2
		<b>TOTAL</b>	<b>21</b>	<b>18</b>	<b>27</b>

TVET EXIT POINT Qualification: Machining NC II

**THIRD YEAR**

**FIRST SEMESTER**

GRADE	SUBJECT	DESCRIPTION	Lect	Lab	Units
	MT 301	Fitting and Machining I	2	9	5
	MT 303	Applied Hydraulics & Pneumatics	2	0	2

**SECOND SEMESTER**

GRADE	SUBJECT	DESCRIPTION	Lect	Lab	Units
	MT 304	Fitting and Machining II	2	9	5
	MT 306	Applied Machine Shop Mathematics	3	0	3
	MT 307	Seminar and Field Trips	0	0	1

	Soc Sci 301	New Labor Code	3	0	3
	Mgmt 1	Human Behavior in Organization	3	0	3
	Mgmt 2	Industrial Organization and Management	3	0	3
	Mgmt 3	Production Management	3	0	3
	Mgmt 4	Technopreneurship Management	3	0	3
		TOTAL	21	15	26

	Mgmt 5	SLOM - Shop Layout Management	3	0	3
	Mgmt 6	Personnel Administration & Human Resource Management	3	0	3
	Mgmt 7	Quality Management	3	0	3
	Mgmt 8	Marketing Management	3	0	3
	Research 1	Research w/ Special Project	3	0	3
		TOTAL	21	18	28

**FOURTH YEAR**

**FIRST SEMESTER**

GRADE	SUBJECT	DESCRIPTION	No. of Hrs	Units
	MT 401	ON THE JOB TRAINING	750	15
		TOTAL	750	15

**SECOND SEMESTER**

GRADE	SUBJECT	DESCRIPTION	No. of Hrs.	Units
	MT 402	ON THE JOB TRAINING	750	15
		TOTAL	750	15