

TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES Quezon City

2018 CURRICULUM FOR BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING (BSME)

IMPORTANT: Registration in any course/s without all the pre-requisite/s, correct sequence and authorized load shall not be given any credit regardless of the grade/s obtained.

NAME : ______STUDENT NO : _____

COURSE	E CODE	DESCRIPTIVE TITLE		LEC HOURS	LAB HOURS	CREDIT UNITS	PRE-REQUISITE(S)/CO-REQUISIT
FIRST YEAR,	FIRST SEME	STER (17 UNITS)					
NSTP	001	National Service Training Program 1		(3)	0	(3)	
PE	001	Physical Education 1		2	0	2	
GEC	004	Mathematics in the Modern World		3	0	3	
GEC	001	Understanding the Self		3	0	3	
MATH	016	Calculus 1		3	0	3	
CHEM	001C	Chemistry for Engineers		3	3	4	
AR	001	Engineering Drawing		0	3	1	
ME	003	Mechanical Engineering Orientation		1	0	1	
		7	TOTAL	15	6	17	
FIRST YEAR,	SECOND SE	MESTER (22 UNITS)					
NSTP	002	National Service Training Program 2		(3)	0	(3)	NSTP 001(P)
PE	002	Physical Education 2		2	0	2	PE 001(P)
GEC	006	Art Appreciation		3	0	3	
socsc	005	Life and Works of Rizal		3	0	3	
MATH	013	Linear Algebra with MATLAB		2	3	3	MATH 016(P)
MATH	017	Calculus 2		3	0	3	MATH 016(P)
PHYS	001C	Calculus-Based Physics		3	3	4	MATH 017(C)
ME	008	Computer-Aided Drafting for ME		0	3	1	AR 001(P)
GEC	003	The Contemporary World		3	0	3	
			TOTAL	19	9	22	
SECOND YE	AR, FIRST SE	MESTER (27 UNITS)					
GEC	005	Purposive Communication		3	0	3	
GEC	007	Science, Technology, and Society		3	0	3	
MATH	010	Differential Equations		3	0	3	MATH 017(P)
MATH	006	Discrete Mathematics		3	0	3	
TECH	101	Introduction to Engineering Entrepreneurship		3	0	3	
THER	001	Thermodynamics 1		3	0	3	MATH 017(P) PHYS 001C(P)
CE	001	Statics of Rigid Bodies		3	0	3	MATH 017(P) PHYS 001C(P)
EE	001	Basic Electrical Engineering		2	3	3	MATH 017(P) PHYS 001C(P)
ME	518	Workshop Theory and Practice		0	3	1	ME 003(P)
PE	003	Physical Education 3		2	0	2	PE 002(P)
		1	TOTAL	25	6	27	
SECOND YE	AR, SECOND	SEMESTER (24 UNITS)					-
MATH	019	Engineering Data Analysis		3	0	3	MATH 017(P)
CE	002	Dynamics of Rigid Bodies		2	0	2	CE 001(P)
GEC	002	Readings in Philippine History	\neg	3	0	3	
MATH	018	Multivariate Calculus	\neg	3	0	3	MATH 017(P)
THER	002	Thermodynamics 2	$\neg \uparrow$	3	0	3	THER 001(P)
ITE	001B	Computer Programming	$\neg \uparrow$	0	3	1	
MATH	011ME	Advanced Mathematics for ME	\neg	3	0	3	MATH 010(P)
ME	524	Integration Course in Mathematics	$\neg \uparrow$	2	0	2	MATH 016(P)
ME	001	Machine Shop Theory	\neg	0	6	2	ME 518(P)
PE	004	Physical Education 4	\neg	2	0	2	PE 003(P)
	<u> </u>	ļ ·	TOTAL	21	9	24	
THIRD YEAR	FIRST SEME	STER (23 UNITS)	- [-		1
		- \				3	CE 002(P)



TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES Quezon City

COURS	E CODE	DESCRIPTIVE TITLE	LEC HOURS	LAB HOURS	CREDIT UNITS	PRE-REQUISITE(S)/CO-REQUISITE(
ME	005	Engineering Economy	3	0	3	MATH 019(P)
EE	004A	DC and AC Machinery	2	3	3	EE 001(P)
ME	403	Heat Transfer	2	0	2	THER 002(P)
CE	402A	Fluid Mechanics	3	0	3	THER 001(P)
ME	514	Vibration Engineering	2	0	2	MATH 010(P)
ME	520	Computer Applications for ME	0	3	1	ITE 001B(P)
ECE	005	Basic Electronics	2	3	3	EE 001(P)
GEE	001	General Education Elective 1	3	0	3	
		TOTAL	20	9	23	
THIRD YEAR	, SECOND SE	MESTER (24 UNITS)				
ME	411	Methods of Research for ME	1	0	1	GEC 005(P)
ME	407	Refrigeration Systems	3	0	3	ME 403(P)
ME	409	Combustion Engineering	2	0	2	THER 002(P)
ME	406	Fluid Machineries	3	0	3	CE 402A(P)
ME	303	Machine Elements	2	3	3	CE 002(P)
ME	401	Mechanical Engineering Lab 1	0	3	1	THER 002(P)
ME	525	Integration Course in Engineering and Science	2	0	2	ME 524(P)
GEC	008	Ethics	3	0	3	
GEE	002	General Education Elective 2	3	0	3	
GEE	003	General Education Elective 3	3	0	3	
		TOTAL	22	6	24	
THIRD YEAR	, SUMMER (2	UNITS)				
ME	500	On-the-Job Training for ME	0	240	2	3rd Year Standing
			l o	240	2	
RSES INCLUD	ING PE AND I	TOTAL /ED TO TAKE FOURTH YEAR PROFESSIONAL COURSE ISTP COURSES. MESTER (26 UNITS)				I ED THE BASIC AND THE THIRD YEAR
RSES INCLUD	ING PE AND I	/ED TO TAKE FOURTH YEAR PROFESSIONAL COURSE ISTP COURSES.				ED THE BASIC AND THE THIRD YEAR See track for pre-requisite(s)
FOURTH YE	ING PE AND N	/ED TO TAKE FOURTH YEAR PROFESSIONAL COURSE ISTP COURSES. MESTER (26 UNITS)	S UNLES	S HE HAS	COMPLET	
FOURTH YE	AR, FIRST SE	VED TO TAKE FOURTH YEAR PROFESSIONAL COURSE ISTP COURSES. MESTER (26 UNITS) Mechanical Engineering Elective 1	S UNLESS	S HE HAS	COMPLETI 2	See track for pre-requisite(s)
FOURTH YE MEE ME	001 508	ME Project Study 1	2 0	0 3	2 1	See track for pre-requisite(s) ME 411(P)
FOURTH YE MEE ME ME	001 508 519	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems	2 0 3	0 3 0	2 1 3	See track for pre-requisite(s) ME 411(P) ME 407(P)
FOURTH YE MEE ME ME ECE	001 508 519 006	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering	2 0 3 2	0 3 0 3	2 1 3 3	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P)
ME ECE ME	001 508 519 006 522	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy	2 0 3 2 3	0 3 0 3 3	2 1 3 3 4	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P)
ME M	001 508 519 006 522 404	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1	2 0 3 2 3	0 3 0 3 0	2 1 3 3 4 4 3	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P)
MEE ME ECE ME EMAN	001 508 519 006 522 404 001	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1 Engineering Management	2 0 3 2 3 2	0 3 0 3 3 0	2 1 3 3 4 3 2	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P) ME 303(P)
ME M	001 508 519 006 522 404 001 410	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1 Engineering Management Mechanical Engineering Lab 2	2 0 3 2 3 2 3 2	0 3 0 3 3 0 0 0	2 1 3 3 4 3 2 2 2	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P) ME 303(P)
MEE ME	001 508 519 006 522 404 001 410 513	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1 Engineering Management Mechanical Engineering Lab 2 ME Design Project 1	2 0 3 2 3 3 2 0 0	0 3 0 3 0 0 0 0 6	2 1 3 3 4 3 2 2	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P) ME 303(P) ME 401(P) ME 406(P)
ME M	100 PE AND N AR, FIRST SE 001 508 519 006 522 404 001 410 513 007	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1 Engineering Management Mechanical Engineering Lab 2 ME Design Project 1 Materials Science and Engineering for ME	2 0 3 2 3 2 3 2 0 2 2	0 3 0 3 3 0 0 0 6 3 3	2 1 3 3 4 3 2 2 2 3 3 3	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P) ME 303(P) ME 401(P) ME 406(P)
ME M	100 PE AND N AR, FIRST SE 001 508 519 006 522 404 001 410 513 007	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1 Engineering Management Mechanical Engineering Lab 2 ME Design Project 1 Materials Science and Engineering for ME	2 0 3 2 3 2 3 2 0 2 2	0 3 0 3 3 0 0 0 6 3 3	2 1 3 3 4 3 2 2 2 3 3 3	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P) ME 303(P) ME 401(P) ME 406(P)
ME M	100 PE AND N AR, FIRST SE 001 508 519 006 522 404 001 410 513 007	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1 Engineering Management Mechanical Engineering Lab 2 ME Design Project 1 Materials Science and Engineering for ME	2 0 3 2 3 3 2 0 2 0 2 2	0 3 0 3 0 0 6 3 3	2 1 3 3 4 3 2 2 2 3 3 3	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P) ME 303(P) ME 401(P) ME 406(P) CE 003A(P) CHEM 001C(P)
ME M	100 PE AND N AR, FIRST SE 001 508 519 006 522 404 001 410 513 007 AR, SECOND 510	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1 Engineering Management Mechanical Engineering Lab 2 ME Design Project 1 Materials Science and Engineering for ME TOTAL SEMESTER (24 UNITS) Industrial Plant Engineering	2 0 3 2 3 2 3 2 0 2 2 19	0 3 0 3 0 0 0 6 3 3 21	2 1 3 3 4 3 2 2 3 3 4 4 4 4 4 4 4	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P) ME 303(P) ME 401(P) ME 406(P) CE 003A(P) CHEM 001C(P) ME 516(C) ME 519(P)
ME M	No. No.	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1 Engineering Management Mechanical Engineering Lab 2 ME Design Project 1 Materials Science and Engineering for ME TOTAL SEMESTER (24 UNITS) Industrial Plant Engineering ME Project Study 2	2 0 3 2 3 2 0 2 2 19	0 3 0 3 0 0 0 6 3 3 21	2 1 3 3 4 3 2 2 3 3 4 1	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P) ME 303(P) ME 401(P) ME 406(P) CE 003A(P) CHEM 001C(P) ME 516(C) ME 519(P) ME 508(P)
ME M	NO PE AND N	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1 Engineering Management Mechanical Engineering Lab 2 ME Design Project 1 Materials Science and Engineering for ME TOTAL SEMESTER (24 UNITS) Industrial Plant Engineering ME Project Study 2 Machine Design 2	2 0 3 2 3 2 0 2 19	0 3 0 3 3 0 0 6 3 3 21	2 1 3 3 4 3 2 2 3 3 26	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P) ME 303(P) ME 401(P) ME 406(P) CE 003A(P) CHEM 001C(P) ME 516(C) ME 519(P) ME 508(P)
ME M	No. No.	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1 Engineering Management Mechanical Engineering Lab 2 ME Design Project 1 Materials Science and Engineering for ME TOTAL SEMESTER (24 UNITS) Industrial Plant Engineering ME Project Study 2 Machine Design 2 Basic Occupational Safety and Health	2 0 3 2 3 3 2 0 2 2 19	0 3 0 3 0 0 6 3 3 21	2 1 3 3 4 3 2 2 3 3 26 4 1 3 3 3	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P) ME 303(P) ME 401(P) ME 406(P) CE 003A(P) CHEM 001C(P) ME 516(C) ME 519(P) ME 508(P)
ME M	NAR, FIRST SE 001 508 519 006 522 404 001 410 513 007 AR, SECOND 510 512 521 517 516	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1 Engineering Management Mechanical Engineering Lab 2 ME Design Project 1 Materials Science and Engineering for ME TOTAL SEMESTER (24 UNITS) Industrial Plant Engineering ME Project Study 2 Machine Design 2 Basic Occupational Safety and Health Manufacturing and Industrial Processes with Plant Visits	2 0 3 2 3 3 2 0 2 19	0 3 0 3 0 0 0 6 3 3 21	2 1 3 3 4 3 2 2 3 3 26 4 1 3 3 2	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P) ME 303(P) ME 401(P) ME 406(P) CE 003A(P) CHEM 001C(P) ME 516(C) ME 519(P) ME 508(P) ME 404(P)
ME M	No. No.	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1 Engineering Management Mechanical Engineering Lab 2 ME Design Project 1 Materials Science and Engineering for ME TOTAL SEMESTER (24 UNITS) Industrial Plant Engineering ME Project Study 2 Machine Design 2 Basic Occupational Safety and Health Manufacturing and Industrial Processes with Plant Visits Mechanical Engineering Lab 3	2 0 3 2 3 2 0 2 19	0 3 0 3 0 0 0 6 3 3 21	2 1 3 3 4 3 2 2 3 3 26	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P) ME 303(P) ME 401(P) ME 406(P) CE 003A(P) CHEM 001C(P) ME 516(C) ME 519(P) ME 508(P) ME 404(P) ME 410(P) ME 522(P)
RSES INCLUDE FOURTH YE MEE ME ME ME ECE ME ME ME ME	No. No.	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1 Engineering Management Mechanical Engineering Lab 2 ME Design Project 1 Materials Science and Engineering for ME TOTAL SEMESTER (24 UNITS) Industrial Plant Engineering ME Project Study 2 Machine Design 2 Basic Occupational Safety and Health Manufacturing and Industrial Processes with Plant Visits Mechanical Engineering Lab 3 Mechanical Engineering Elective 2	2 0 3 2 3 3 2 0 2 2 19	0 3 0 3 0 0 6 3 3 21	2 1 3 3 4 3 2 2 3 3 26	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P) ME 303(P) ME 401(P) ME 406(P) CE 003A(P) CHEM 001C(P) ME 516(C) ME 519(P) ME 508(P) ME 404(P) ME 410(P) ME 522(P) MEE 001(P), See track for pre-requisite
RSES INCLUDE FOURTH YE MEE ME ME ME ME ME ME ME ME	NG PE AND N AR, FIRST SE 001 508 519 006 522 404 001 410 513 007 AR, SECOND 510 512 521 517 516 505 002 523	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1 Engineering Management Mechanical Engineering Lab 2 ME Design Project 1 Materials Science and Engineering for ME TOTAL SEMESTER (24 UNITS) Industrial Plant Engineering ME Project Study 2 Machine Design 2 Basic Occupational Safety and Health Manufacturing and Industrial Processes with Plant Visits Mechanical Engineering Lab 3 Mechanical Engineering Elective 2 ME Laws, Ethics, Codes and Standards	2 0 3 2 3 3 2 0 2 2 19	0 3 0 0 3 3 0 0 6 3 3 3 0 0 3 6 0 0 0 0	2 1 3 3 4 3 2 2 3 3 26 4 1 3 3 2 2 2 2 2 2	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P) ME 303(P) ME 401(P) ME 406(P) CE 003A(P) CHEM 001C(P) ME 516(C) ME 519(P) ME 508(P) ME 404(P) ME 410(P) ME 522(P) MEE 001(P), See track for pre-requisite GEC 008(P)
ME M	NAR, FIRST SE 001 508 519 006 522 404 001 410 513 007 AR, SECOND 510 512 521 517 516 505 002 523 526	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1 Engineering Management Mechanical Engineering Lab 2 ME Design Project 1 Materials Science and Engineering for ME TOTAL SEMESTER (24 UNITS) Industrial Plant Engineering ME Project Study 2 Machine Design 2 Basic Occupational Safety and Health Manufacturing and Industrial Processes with Plant Visits Mechanical Engineering Elective 2 ME Laws, Ethics, Codes and Standards Integration Course in Power Plant and Industrial Plant	2 0 3 2 3 3 2 0 2 19	0 3 0 3 0 0 0 6 3 3 21	2 1 3 3 4 3 2 2 3 3 26 4 1 3 3 2 2 2 2 2 2 2	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P) ME 303(P) ME 401(P) ME 406(P) CE 003A(P) CHEM 001C(P) ME 516(C) ME 519(P) ME 508(P) ME 404(P) ME 410(P) ME 522(P) MEE 001(P), See track for pre-requisite GEC 008(P) ME 525(P)
ME M	NG PE AND N	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1 Engineering Management Mechanical Engineering Lab 2 ME Design Project 1 Materials Science and Engineering for ME TOTAL SEMESTER (24 UNITS) Industrial Plant Engineering ME Project Study 2 Machine Design 2 Basic Occupational Safety and Health Manufacturing and Industrial Processes with Plant Visits Mechanical Engineering Elective 2 ME Laws, Ethics, Codes and Standards Integration Course in Power Plant and Industrial Plant ME Design Project 2	2 0 3 2 3 2 3 3 2 0 2 19	0 3 0 3 0 0 0 6 3 3 21	2 1 3 3 4 3 2 2 3 3 26 4 1 3 3 2 2 2 2 2 2 2 3	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P) ME 303(P) ME 401(P) ME 406(P) CE 003A(P) CHEM 001C(P) ME 516(C) ME 519(P) ME 508(P) ME 404(P) ME 410(P) ME 522(P) MEE 001(P), See track for pre-requisite GEC 008(P) ME 525(P)
RSES INCLUDE FOURTH YE MEE ME ME ME ME ME ME ME ME	NG PE AND N AR, FIRST SE 001 508 519 006 522 404 001 410 513 007 AR, SECOND 510 512 521 517 516 505 002 523 526 515 OURSES	MESTER (26 UNITS) Mechanical Engineering Elective 1 ME Project Study 1 Air Conditioning and Ventilation Systems Control Engineering Power Plant Design with Renewable Energy Machine Design 1 Engineering Management Mechanical Engineering Lab 2 ME Design Project 1 Materials Science and Engineering for ME TOTAL SEMESTER (24 UNITS) Industrial Plant Engineering ME Project Study 2 Machine Design 2 Basic Occupational Safety and Health Manufacturing and Industrial Processes with Plant Visits Mechanical Engineering Elective 2 ME Laws, Ethics, Codes and Standards Integration Course in Power Plant and Industrial Plant ME Design Project 2	2 0 3 2 3 2 3 3 2 0 2 19	0 3 0 3 0 0 0 6 3 3 21	2 1 3 3 4 3 2 2 3 3 26 4 1 3 3 2 2 2 2 2 2 2 3	See track for pre-requisite(s) ME 411(P) ME 407(P) ECE 005(P) ME 409(P) ME 303(P) ME 401(P) ME 406(P) CE 003A(P) CHEM 001C(P) ME 516(C) ME 519(P) ME 508(P) ME 404(P) ME 410(P) ME 522(P) MEE 001(P), See track for pre-requisite GEC 008(P) ME 525(P)



TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES Quezon City

ME	528	Energy Management in Industry	2	0	2	
		TOTAL	4	0	4	
TRACK ELECTIVE 2:(Heating, Ventilation, Air Conditioning and Refrigeration)						
ME	529	Design of Thermal Systems	2	0	2	
ME	530	Design of Building Piping System and Air Conditioning Duct Works	2	0	2	
	-	TOTAL	4	0	4	
TRACK ELECTIVE 3: (Mechatronics Engineering)						
ME	531	Introduction to Robotics	2	0	2	
ME	532	Industrial Robots	2	0	2	
		TOTAL	4	0	4	
TRACK ELECTIVE 4: (Railway Engineering)						
RWE	001	Introduction to Railway Systems and Engineering	3	0	3	
RWE	002	Advanced Topic on Railway Engineering	3	0	3	
		TOTAL	6	0	6	

CREDENTIALS PRESENTED:	DEFICIENCY/IES:	Evaluated By:	LEGEND
() F137A () NSO Birth Certificate		Date:	P = Pre-requisite
() F138 () HD		Received By:	C = Co-requisite
() GMC () TOR		Date:	

NOTE: EVALUATION IS TENTATIVE AND MAY BE REVISED FOR SOME VALID CAUSES OR REASONS OR IF OMISSIONS AND/OR LACK OF UNITS CREDITED BE DISCOVERED LATER.