



Republic of the Philippines
NEGROS ORIENTAL STATE UNIVERSITY

R.A. 9299

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COLLEGE OF INDUSTRIAL TECHNOLOGY
 AACUP Accredited Level II (Re-Accredited Status)
 TESDA-Registered Institution

Phone: (63) (35) 225-9400-133(Local)

BACHELOR OF SCIENCE IN INDUSTRIAL TECHNOLOGY (BSIT)

(A Ladderized Curriculum)

REVISED AS OF **S.Y. 2008-2009**

PROSPECTUS in
REFRIGERATION AND AIR-CONDITIONING TECHNOLOGY

Name: _____ Year and Section: _____

FIRST YEAR

FIRST SEMESTER			UNITS	PRE-REQ	SEM/SY TAKEN	GRADE
RAC	111	Basic Domestic Refrigeration System Principles and Cycle	6	-		
DRAW	111	Drawing Fundamentals & Technical Sketching	3	-		
*ENG	0	Grammar, Rhetoric and Composition	0	-		
ENG	111	Study and Thinking Skills	3	Eng. Exam		
FIL	111	Komunikasyon Sa Akademikong Filipino	3	-		
MATH	111	College Algebra	3	-		
PSYCH	111	General Psychology	3	-		
P.E.	111	Physical Fitness and Health	2	-		
NSTP	111	National Service Training Program 1	3	-		
T O T A L = 26 Units						

SECOND SEMESTER			UNITS	PRE-REQ	SEM/SY TAKEN	GRADE
RAC	112	Basic Domestic Refrigeration Electrical System and Work Processes	6	RAC 111		
DRAW	112	Introduction to Technical Drawing and Blueprint Reading	3	DRAW 111		
ENG	112	Writing In the Discipline	3	ENG 111		
FIL	112	Pagbasa at Pagsulat Tungo sa Pananaliksik	3	FIL 111		
MATH	112	Plane Trigonometry	3	MATH 111		
CHEM	113	General Chemistry	3	-		
P.E.	112	Recreation, Games and Sports	2	P.E. 111		
NSTP	112	National Service Training Program 2	3	NSTP 111		
T O T A L = 26 Units						

SECOND YEAR

FIRST SEMESTER			UNITS	PRE-REQ	SEM/SY TAKEN	GRADE
**RAC	121	Basic Air-conditioning System & Application	6	RAC 112		
DRAW	121	Technical Drawing and Blueprint Reading 1	3	DRAW 112		
ENG	121	Effective Speech	3	ENG 112		
ENTREP	1	Entrepreneurship	3	-		
POL SCI	122	Politics and Governance with Phil. Constitution	3	-		
PHYS	121	General Physics 1 (Mechanics and Heat)	5	MATH 112		
P.E.	121	Social Recreation	2	P.E. 111		
T O T A L = 25 Units						

* For those who did not qualify in the English Placement Examination.

** Students who want to pursue Bachelor of Science in Industrial Technology (BSIT) degree must have a grade of 2.00 and above in their major subject.

SECOND SEMESTER			UNITS	PRE-REQ	SEM/SY TAKEN	GRADE
**RAC	122	Commercial Refrigeration Principles and Application	6	RAC 121		
DRAW	122	Technical Drawing and Blueprint Reading 2	3	DRAW 121		
ENG	122	Technical Writing and Reporting	3	ENG 112		
PHYS	122	General Physics 2 (Magnetism and Electricity)	5	PHYS 121		
HIST	111	Philippine History: Roots and Development	3	-		
ECON	111	Economics, Agrarian Reform and Taxation	3	-		
P.E.	122	Sports Management & Cultural Presentation	2	P.E. 111		
T O T A L = 25 Units						

➤ Associate in Industrial Technology (AIT) graduates are qualified to take the TESDA NC II Assessment.

** Students who want to pursue Bachelor of Science in Industrial Technology (BSIT) degree must have a grade of 2.00 and above in their major subject.

THIRD YEAR

FIRST SEMESTER			UNITS	PRE-REQ	SEM/SY TAKEN	GRADE
RAC	131	Industrial Commercial Refrigeration System	6	RAC 122		
LIT	114	Philippine Literature in English	3	ENG 112		
MGT	144	Project Development or Feasibility Study	3	-		
PSYCH	131	Industrial Psychology	3	-		
HIST	141	Rizal's Life, Works and Writings	3	-		
SOCIO	111	Society, Culture and Population Education	3	-		
PHILO	122	Logic and Work Ethics with Values Education	3	-		
T O T A L = 24 Units						

SECOND SEMESTER			UNITS	PRE-REQ	SEM/SY TAKEN	GRADE
RAC	132	Special Refrigeration System and Application, Heating and Humidifying	6	RAC 131		
LIT	115	World Literature	3	LIT 114		
MGT	143	Industrial and Personnel Administration	3	-		
MGT	131	Shop Layout and Management	3	-		
HUM	141	Introduction to Humanities and Arts	3	-		
BCS	111	Fundamentals of Computer	3	-		
FOR LANG	132	Foreign Language (Arabic)	3	-		
T O T A L = 24 Units						

➤ Pre-requisite for On-the-Job Training: Students must have passed all their major subjects and completed at least 95 units of General Education subjects.

FOURTH YEAR

SUMMER			UNITS	PRE-REQUISITE	SEM/SY TAKEN	GRADE
RAC	140	On-the-Job Training (OJT) 288 Hours (6 Weeks)	5			
T O T A L = 5 Units						

FIRST SEMESTER			UNITS	PRE-REQUISITE	SEM/SY TAKEN	GRADE
RAC	141	On-the-Job Training (OJT) 700 Hours (18 Weeks)	21			
T O T A L = 21 Units						

SECOND SEMESTER			UNITS	PRE-REQUISITE	SEM/SY TAKEN	GRADE
RAC	142	On-the-Job Training (OJT) 700 Hours (18 Weeks)	21			
T O T A L = 21 Units						