Republic of the Philippines
UNIVERSITY OF RIZAL SYSTEM
Province of Rizal
www.urs.edu.ph

Management System ISO 9001:2015
TÜVRheinland CERTIFIED
www.tuv.com ID 9108653929

Email Address: ursmain@urs.edu.ph /urs.opmorong@gmail.com
Main Campus: URS Tanay Tel. (02) 8401-4900; 8401-4910; 8401-4911; 8539-9957 to 58

College of Industrial Technology
Tel. No. (02) 8539-9950 loc. 105 Email Address: citdeanm@urs.edu.ph

Bachelor of Industrial Technology (BIndTech)

Program Educational Objectives

Contribute to technology transfer and development, socially responsive innovations, and sustainable livelihood undertakings that foster local and national development.

Inspire students to develop high-level competencies and a strong sense of professionalism essential for technology advancement, professional growth, and lifelong learning.

Train students with a solid understanding of industrial technology principles, practices, and emerging trends relevant to national development and global competitiveness.

Uphold a mindset that encourages lifelong learning and adaptability to new technologies and methodologies in a rapidly changing industrial landscape.

Respond to the current industry demands and trends, technologies, and practices that goes beyond theoretical knowledge in various industries,

Showcase leadership, productivity, and an entrepreneurial drive while applying technology-based approaches and strategies to establish empowered communities.

Assoc. Prof. FREDERICK R. FELICIANO
Dean, College of Industrial Technology

Nurturing Tomorrow's Noblest

URS Angono	Tel. 8539-9930 to 31	URS Cainta	Tel. 8539-9938 to 39	URS Pillila	Tel. 8539-9942 to 44
URS Antipolo	Tel. 8539-9932 to 34	URS Cardona	Tel. 8539-9940 to 41	URS Rodriguez	Tel. 8539-9945 to 47
URS Binangonan	Tel. 8539-9935 to 37	URS Morong	Tel. 8539-9950 to 56	URS Taytay	Tel. 8539-9948 to 49

Republic of the Philippines
UNIVERSITY OF RIZAL SYSTEM
Province of Rizal
www.urs.edu.ph

Management System
ISO 9001:2015

TÜVRheinland
CERTIFIED
www.tuv.com
ID 9108653929

Email Address: ursmain@urs.edu.ph /urs.opmorong@gmail.com
Main Campus: URS Tanay Tel. (02) 8401-4900; 8401-4910; 8401-4911; 8539-9957 to 58

College of Industrial Technology
Tel. No. (02) 8539-9950 loc. 105 Email Address: citdeanm@urs.edu.ph

Bachelor of Industrial Technology major in:

1. Architectural Drafting Technology
2. Automotive Technology
3. Construction Technology
4. Electrical Technology
5. Electronics Technology
6. Heating, Ventilating, Air-Conditioning, and Refrigeration Technology
7. Mechanical Technology

The graduates of Bachelor of Industrial Technology (BIndTech) should have the ability to:

a. Analyze broadly defined industrial technology processes by using analytical tools that enhances creativity, innovativeness, and intellectual curiosity to improve methods, processes, and systems that meet the industry standards.
b. Design and implement broadly defined industrial systems, components, products or processes to meet specific industry needs with proficiency and flexibility in the area of specialization in accordance with global standards.
c. Apply appropriate techniques, resources and state-of-the-art industrial technology tools to meet current industry needs and use these modern tools and processes to improve and increase entrepreneurial activities upholding the safety and health standards of business and industry.
d. Communicate with diverse groups of clienteles the appropriate cultural language with clarity and persuasion, in both oral and written forms, including understanding and giving of clear instructions, high comprehension level, effectiveness in delivering presentations and writing documents, and articulating technological innovation outputs.
e. Develop leadership and management skills in a team-based environment by making informed decisions, keeping team motivated, acting and delegating responsibility and inspiring positive changes in the organization by exercising responsibility with integrity and accountability in the practice of one's profession.
f. Practice moral responsibilities of an industrial technologist to manage and balance wider public interest and uphold the norms and safety standards of the industrial technology profession.
g. Demonstrate enthusiasm and passion for continuous personal and professional development in broadly defined industrial technology and effecting positive changes in entrepreneurial and industrial endeavor.
h. Recognized the need for, and an ability to engage in life-long learning.

Nurturing Tomorrow's Noblest

URS Angono	Tel. 8539-9930 to 31	URS Cainta	Tel. 8539-9938 to 39	URS Pillila	Tel. 8539-9942 to 44
URS Antipolo	Tel. 8539-9932 to 34	URS Cardona	Tel. 8539-9940 to 41	URS Rodriguez	Tel. 8539-9945 to 47
URS Binangonan	Tel. 8539-9935 to 37	URS Morong	Tel. 8539-9950 to 56	URS Taytay	Tel. 8539-9948 to 49

Curriculum Map for BIT Major in Architectural Drafting Technology

Legend:
I – Introductory: Introduces the concept or skill
E – Enabling: Builds on prior knowledge/skills and supports mastery
D – Demonstrating: Application or synthesis of learned concepts/skills

General Education:

Course	POa	POb	POc	POd	POe	POf	POg	POh
Understanding the Self	I	I				I		
Readings in the Philippine History	I		E				I	
Contemporary World		E	I	E			E	
Mathematics in the Modern World		I		D	E			
Purposive Communication	E	D					E	E
Art Appreciation			I			E		I
Science, Technology and Society		E	E	E				D
Ethics	D				D			E

Mandated Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Life and Works of National Hero Dr. Jose Rizal	E		D				D	E

GE Electives

Course	POa	POb	POc	POd	POe	POf	POg	POh
Modern Statistics with Computer Applications	E	E	D	D	E			
Gender and Society	E		E			E	D	E
Indigenous Creative Crafts			E			D	E	E

Math and Science Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Modern Statistics with Computer Applications	E	E	D	D	E			
Gender and Society	E		E			E	D	E
Indigenous Creative Crafts			E			D	E	E

Applied Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Industrial Drawing		I	E			I		
Introduction to Information Technology	I	E		E				
Computer Programming		E	I	D				
Materials Technology Management		E	E	D				
Quality Control and Assurance		D	D	D	E			
Industrial Organization and Management	E	E		E				E
Industrial Psychology	E		E			E	D	E
Technopreneurship	E		D	D	E		D	
Production Management		D	D	D	E			
Foreign Language	I						E	D

URS Angono	Tel. 8539-9930 to 31	URS Cainta	Tel. 8539-9938 to 39	URS Pillila	Tel. 8539-9942 to 44
URS Antipolo	Tel. 8539-9932 to 34	URS Cardona	Tel. 8539-9940 to 41	URS Rodriguez	Tel. 8539-9945 to 47
URS Binangonan	Tel. 8539-9935 to 37	URS Morong	Tel. 8539-9950 to 56	URS Taytay	Tel. 8539-9948 to 49

Professional Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Occupational Safety and Health		I	E			E	E	
Drafting Fundamentals and Theory of Design		I	I			E		
Commercial Arts 1	I		E			D		
Basic AutoCAD (2D Application) for Drafting		E	I	E				
Woodcraft Drafting		E	E	D				
Commercial Arts 2	E		D			D		
AutoCAD 3D Application		D	E	D				
Architectural Drafting and Design		D	D	D				
Machine Drafting using AutoCAD		D	D	D				
CAD Architectural Design		D	D	D				
Electrical and Electronics Drafting		E	D	D				
Interior Design and Landscaping		E	E	D				
Structural Drawing		D	D	D				
Estimate and Scale Modeling		D	D	D	E			
Product Design and Development	E	D	D	D	D			E
Project Study 1 with Intellectual Property Rights	E	D	D	D	D		E	D
Project Study 2	D	D	D	D	D		D	D
Student Internship Program 1	D	D	D	D	D		D	D
Student Internship Program 2	D	D	D	D	D		D	D

Physical Education

Course	POa	POb	POc	POd	POe	POf	POg	POh
Movement Competency Training		I	E			E		
Exercise-based Fitness Activities		E	E			D		
Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	
Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	

NSTP

Course	POa	POb	POc	POd	POe	POf	POg	POh
Movement Competency Training		I	E			E		
Exercise-based Fitness Activities		E	E			D		
Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	
Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	

Nurturing Tomorrow's Noblest

URS Angono — Tel. 8539-9930 to 31   URS Cainta — Tel. 8539-9938 to 39   URS Pillila — Tel. 8539-9942 to 44
URS Antipolo — Tel. 8539-9932 to 34   URS Cardona — Tel. 8539-9940 to 41   URS Rodriguez — Tel. 8539-9945 to 47
URS Binangonan — Tel. 8539-9935 to 37   URS Morong — Tel. 8539-9950 to 56   URS Taytay — Tel. 8539-9948 to 49

Curriculum Map for BIT Major in Automotive Technology

General Education:

Course	POa	POb	POc	POd	POe	POf	POg	POh
Understanding the Self	I	I				I		
Readings in the Philippine History	I		E				I	
Contemporary World		E	I	E			E	
Mathematics in the Modern World		I		D	E			
Purposive Communication	E	D					E	E
Art Appreciation			I			E		I
Science, Technology and Society		E	E	E				D
Ethics	D				D			E

Mandated Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Life and Works of National Hero Dr. Jose Rizal	E		D				D	E

GE Electives

Course	POa	POb	POc	POd	POe	POf	POg	POh
Modern Statistics with Computer Applications	E	E	D	D	E			
Gender and Society	E		E			E	D	E
Indigenous Creative Crafts			E			D	E	E

Math and Science Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Modern Statistics with Computer Applications	E	E	D	D	E			
Gender and Society	E		E			E	D	E
Indigenous Creative Crafts			E			D	E	E

Applied Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Industrial Drawing		I	E			I		
Introduction to Information Technology	I	E		E				
Computer Programming		E	I	D				
Materials Technology Management		E	E	D				
Quality Control and Assurance		D	D	D	E			
Industrial Organization and Management	E	E		E				E
Industrial Psychology	E		E			E	D	E
Technopreneurship	E		D	D	E		D	
Production Management		D	D	D	E			
Foreign Language	I						E	D

Professional Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Occupational Safety and Health		I	E			E	E	
Fundamentals of Automotive Technology		I	I	E				
Automotive Electrical System		E	E	D				
Automotive Electronics		E	E	D				
Small Engine Repair and Motorcycle Servicing		E	E	D				
Automobile LPG System		E	E	D				
Car Care Servicing, Emission Control and Tune-up		E	D	D				
Body Repair and Painting		E	D	D				
Power Train and Conversion System		E	D	D				
Engine Overhauling and Performance Testing		D	D	D				
Automotive CAD		E	D	D				
Hybrid and Electrical Vehicle		D	D	D				
Automotive Air Conditioning		D	D	D				
Body Management and Under-chassis Electronic Control System		D	D	D				
Driving Education		I	E	D				
Electronics Engine Management Control System		D	D	D				
Project Study 1 with Intellectual Property Rights	E	D	D	D	D		E	D
Project Study 2	D	D	D	D	D		D	D
Student Internship Program 1	D	D	D	D	D		D	D
Student Internship Program 2	D	D	D	D	D		D	D

Physical Education

Course	POa	POb	POc	POd	POe	POf	POg	POh
Movement Competency Training		I	E			E		
Exercise-based Fitness Activities		E	E			D		
Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	
Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	

NSTP

Course	POa	POb	POc	POd	POe	POf	POg	POh
Movement Competency Training		I	E			E		
Exercise-based Fitness Activities		E	E			D		
Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	
Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	

Nurturing Tomorrow's Noblest

URS Angono	Tel. 8539-9930 to 31	URS Cainta	Tel. 8539-9938 to 39	URS Pillila	Tel. 8539-9942 to 44
URS Antipolo	Tel. 8539-9932 to 34	URS Cardona	Tel. 8539-9940 to 41	URS Rodriguez	Tel. 8539-9945 to 47
URS Binangonan	Tel. 8539-9935 to 37	URS Morong	Tel. 8539-9950 to 56	URS Taytay	Tel. 8539-9948 to 49

Curriculum Map for BIT Major in Construction Technology

General Education:

Course	POa	POb	POc	POd	POe	POf	POg	POh
Understanding the Self	I	I				I		
Readings in the Philippine History	I		E				I	
Contemporary World		E	I	E			E	
Mathematics in the Modern World		I		D	E			
Purposive Communication	E	D					E	E
Art Appreciation			I			E		I
Science, Technology and Society		E	E	E				D
Ethics	D				D			E

Mandated Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Life and Works of National Hero Dr. Jose Rizal	E		D				D	E

GE Electives

Course	POa	POb	POc	POd	POe	POf	POg	POh
Modern Statistics with Computer Applications	E	E	D	D	E			
Gender and Society	E		E			E	D	E
Indigenous Creative Crafts			E			D	E	E

Math and Science Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Modern Statistics with Computer Applications	E	E	D	D	E			
Gender and Society	E		E			E	D	E
Indigenous Creative Crafts			E			D	E	E

Applied Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Industrial Drawing		I	E			I		
Introduction to Information Technology	I	E		E				
Computer Programming		E	I	D				
Materials Technology Management		E	E	D				
Quality Control and Assurance		D	D	D	E			
Industrial Organization and Management	E	E		E				E
Industrial Psychology	E		E			E	D	E
Technopreneurship	E		D	D	E		D	
Production Management		D	D	D	E			
Foreign Language	I						E	D

Nurturing Tomorrow's Noblest

URS Angono	Tel. 8539-9930 to 31	URS Cainta	Tel. 8539-9938 to 39	URS Pillila	Tel. 8539-9942 to 44
URS Antipolo	Tel. 8539-9932 to 34	URS Cardona	Tel. 8539-9940 to 41	URS Rodriguez	Tel. 8539-9945 to 47
URS Binangonan	Tel. 8539-9935 to 37	URS Morong	Tel. 8539-9950 to 56	URS Taytay	Tel. 8539-9948 to 49

Professional Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Occupational Safety and Health		I	E			E	E	
National Building Code		E	E	E		E	E	
Basic Carpentry		I	E	E				
Finishing Carpentry		E	E	D				
Masonry and Floor Finishing		E	E	D				
Tinsmithing Works		E	E	D				
Construction Painting		E	E	D				
Engineering Mechanics Static		I	E					
Plumbing		E	E	D				
Construction Surveying		E	E	D				
Strength of Materials		E	D	E				
Concrete and Rebars		E	D	D				
Soil and Construction Material Testing		E	D	D				
Building Construction and Estimate		D	D	D	E			
Construction Method and Project Management	E	D	D	D	D			E
Contract, Specification and Ethics	E	D		E		E	D	E
Project Study 1 with Intellectual Property Rights	E	D	D	D	D		E	D
Project Study 2	D	D	D	D	D		D	D
Student Internship Program 1	D	D	D	D	D		D	D
Student Internship Program 2	D	D	D	D	D		D	D

Physical Education

Course	POa	POb	POc	POd	POe	POf	POg	POh
Movement Competency Training		I	E			E		
Exercise-based Fitness Activities		E	E			D		
Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	
Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	

NSTP

Course	POa	POb	POc	POd	POe	POf	POg	POh
Movement Competency Training		I	E			E		
Exercise-based Fitness Activities		E	E			D		
Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	
Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	

Nurturing Tomorrow's Noblest

URS Angono	Tel. 8539-9930 to 31	URS Cainta	Tel. 8539-9938 to 39	URS Pillila	Tel. 8539-9942 to 44
URS Antipolo	Tel. 8539-9932 to 34	URS Cardona	Tel. 8539-9940 to 41	URS Rodriguez	Tel. 8539-9945 to 47
URS Binangonan	Tel. 8539-9935 to 37	URS Morong	Tel. 8539-9950 to 56	URS Taytay	Tel. 8539-9948 to 49

Curriculum Map for BIT Major in Electrical Technology

General Education:

Course	POa	POb	POc	POd	POe	POf	POg	POh
Understanding the Self	I	I				I		
Readings in the Philippine History	I		E				I	
Contemporary World		E	I	E			E	
Mathematics in the Modern World		I		D	E			
Purposive Communication	E	D					E	E
Art Appreciation			I			E		I
Science, Technology and Society		E	E	E				D
Ethics	D				D			E

Mandated Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Life and Works of National Hero Dr. Jose Rizal	E		D				D	E

GE Electives

Course	POa	POb	POc	POd	POe	POf	POg	POh
Modern Statistics with Computer Applications	E	E	D	D	E			
Gender and Society	E		E			E	D	E
Indigenous Creative Crafts			E			D	E	E

Math and Science Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Modern Statistics with Computer Applications	E	E	D	D	E			
Gender and Society	E		E			E	D	E
Indigenous Creative Crafts			E			D	E	E

Applied Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Industrial Drawing		I	E			I		
Introduction to Information Technology	I	E		E				
Computer Programming		E	I	D				
Materials Technology Management		E	E	D				
Quality Control and Assurance		D	D	D	E			
Industrial Organization and Management	E	E		E				E
Industrial Psychology	E		E			E	D	E
Technopreneurship	E		D	D	E		D	
Production Management		D	D	D	E			
Foreign Language	I						E	D

Professional Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Occupational Safety and Health		I	E			E	E	
Electricity and Electronics Principles		I	I					
DC Circuits		E	E	E				
Shop Processes, Tools and Equipment		E	E	E				
AC Circuits		E	E	E				
Philippines Electrical Code		E	E	D		E	E	
Electrical Instruments and Measurements		E	D	D				
Residential Wiring System		E	D	D				
Industrial Motor Controllers		E	D	D				
Electrical Machines		E	D	D				
Logic Circuits		E	E	D				
Power Production and Management System		D	D	D	E			
Industrial Wiring System		D	D	D				
Transmission and Distribution System		D	D	D				
Electro-pneumatic System		D	D	D				
Electrical Computer Aided Design		D	D	D				
Instrumentation and Process Control		D	D	D				
Programmable Logic Controllers		D	D	D				
Project Study 1 with Intellectual Property Rights	E	D	D	D	D		E	D
Project Study 2	D	D	D	D	D		D	D
Student Internship Program 1	D	D	D	D	D		D	D
Student Internship Program 2	D	D	D	D	D		D	D

Physical Education

Course	POa	POb	POc	POd	POe	POf	POg	POh
Movement Competency Training		I	E			E		
Exercise-based Fitness Activities		E	E			D		
Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	
Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	

NSTP

Course	POa	POb	POc	POd	POe	POf	POg	POh
Movement Competency Training		I	E			E		
Exercise-based Fitness Activities		E	E			D		
Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	
Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	

Nurturing Tomorrow's Noblest

URS Angono	Tel. 8539-9930 to 31	URS Cainta	Tel. 8539-9938 to 39	URS Pillila	Tel. 8539-9942 to 44
URS Antipolo	Tel. 8539-9932 to 34	URS Cardona	Tel. 8539-9940 to 41	URS Rodriguez	Tel. 8539-9945 to 47
URS Binangonan	Tel. 8539-9935 to 37	URS Morong	Tel. 8539-9950 to 56	URS Taytay	Tel. 8539-9948 to 49

Curriculum Map for BIT Major in Electronics Technology

General Education:

Course	POa	POb	POc	POd	POe	POf	POg	POh
Understanding the Self	I	I				I		
Readings in the Philippine History	I		E				I	
Contemporary World		E	I	E			E	
Mathematics in the Modern World		I		D	E			
Purposive Communication	E	D					E	E
Art Appreciation			I			E		I
Science, Technology and Society		E	E	E				D
Ethics	D				D			E

Mandated Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Life and Works of National Hero Dr. Jose Rizal	E		D				D	E

GE Electives

Course	POa	POb	POc	POd	POe	POf	POg	POh
Modern Statistics with Computer Applications	E	E	D	D	E			
Gender and Society	E		E			E	D	E
Indigenous Creative Crafts			E			D	E	E

Math and Science Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Modern Statistics with Computer Applications	E	E	D	D	E			
Gender and Society	E		E			E	D	E
Indigenous Creative Crafts			E			D	E	E

Applied Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Industrial Drawing		I	E			I		
Introduction to Information Technology	I	E		E				
Computer Programming		E	I	D				
Materials Technology Management		E	E	D				
Quality Control and Assurance		D	D	D	E			
Industrial Organization and Management	E	E		E				E
Industrial Psychology	E		E			E	D	E
Technopreneurship	E		D	D	E		D	
Production Management		D	D	D	E			
Foreign Language	I						E	D

Professional Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Occupational Safety and Health		I	E			E	E	
Electronics Device 1		I	E					
Electronics Device 2		E	E	E				
Electronics Communication 1		E	E	E				
Electronics CAD		E	E	D				
Electronics Communication 2		E	D	D				
Digital Electronics		E	E	E				
Instrumentation and Process Control		D	D	D				
Sensor Technology		D	D	D				
Multimedia System		E	D	D				
Industrial Electronics		D	D	D				
Electro-Pneumatic System		D	D	D				
Programmable Controllers		D	D	D				
Industrial Robotics		D	D	D				
Electronic Laws and Standard		E		E		E	D	E
Project Study 1 with Intellectual Property Rights	E	D	D	D	D		E	D
Project Study 2	D	D	D	D	D		D	D
Student Internship Program 1	D	D	D	D	D		D	D
Student Internship Program 2	D	D	D	D	D		D	D

Physical Education

Course	POa	POb	POc	POd	POe	POf	POg	POh
Movement Competency Training		I	E			E		
Exercise-based Fitness Activities		E	E			D		
Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	
Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	

NSTP

Course	POa	POb	POc	POd	POe	POf	POg	POh
Movement Competency Training		I	E			E		
Exercise-based Fitness Activities		E	E			D		
Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	
Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	

Nurturing Tomorrow's Noblest

URS Angono	Tel. 8539-9930 to 31	URS Cainta	Tel. 8539-9938 to 39	URS Pillila	Tel. 8539-9942 to 44
URS Antipolo	Tel. 8539-9932 to 34	URS Cardona	Tel. 8539-9940 to 41	URS Rodriguez	Tel. 8539-9945 to 47
URS Binangonan	Tel. 8539-9935 to 37	URS Morong	Tel. 8539-9950 to 56	URS Taytay	Tel. 8539-9948 to 49

Curriculum Map for BIT Major in HVACR Technology

General Education:

Course	POa	POb	POc	POd	POe	POf	POg	POh
Understanding the Self	I	I				I		
Readings in the Philippine History	I		E				I	
Contemporary World		E	I	E			E	
Mathematics in the Modern World		I		D	E			
Purposive Communication	E	D					E	E
Art Appreciation			I			E		I
Science, Technology and Society		E	E	E				D
Ethics	D				D			E

Mandated Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Life and Works of National Hero Dr. Jose Rizal	E		D				D	E

GE Electives

Course	POa	POb	POc	POd	POe	POf	POg	POh
Modern Statistics with Computer Applications	E	E	D	D	E			
Gender and Society	E		E			E	D	E
Indigenous Creative Crafts			E			D	E	E

Math and Science Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Modern Statistics with Computer Applications	E	E	D	D	E			
Gender and Society	E		E			E	D	E
Indigenous Creative Crafts			E			D	E	E

Applied Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Industrial Drawing		I	E			I		
Introduction to Information Technology	I	E		E				
Computer Programming		E	I	D				
Materials Technology Management		E	E	D				
Quality Control and Assurance		D	D	D	E			
Industrial Organization and Management	E	E		E				E
Industrial Psychology	E		E			E	D	E
Technopreneurship	E		D	D	E		D	
Production Management		D	D	D	E			
Foreign Language	I						E	D

Nurturing Tomorrow's Noblest

URS Angono   Tel. 8539-9930 to 31   URS Cainta   Tel. 8539-9938 to 39   URS Pillila   Tel. 8539-9942 to 44
URS Antipolo   Tel. 8539-9932 to 34   URS Cardona   Tel. 8539-9940 to 41   URS Rodriguez   Tel. 8539-9945 to 47
URS Binangonan Tel. 8539-9935 to 37   URS Morong   Tel. 8539-9950 to 56   URS Taytay   Tel. 8539-9948 to 49

Professional Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Occupational Safety and Health		I	E			E	E	
Fundamentals of Heating, Ventilating, Air-conditioning and Refrigeration		I	E					
Soldering, Welding and Joining Operation		E	E	E				
Domestic RAC Electrical Circuits		E	E	E				
Domestic RAC Systems Service and Maintenance		E	E	D				
Commercial Refrigeration Equipment Installation and Maintenance		E	D	D				
Package Air-conditioning Unit Installation and Maintenance		E	D	D				
Handling Units Installation, Service and Maintenance		E	D	D				
Instrumentation and Control Devices		D	D	D				
Introduction to Marine HVACR System Design		D	D	D	E			
Air-conditioning and Refrigeration Plant Designing		D	D	D	D			
Heat Pump Operation		E	D	D				
Mobile Refrigeration and Air-conditioning Installation and Maintenance		D	D	D				
Electro-pneumatic and Hydraulics		D	D	D				
Mobile System Troubleshooting and Maintenance		D	D	D				
Special Refrigeration and Transport Refrigeration System		D	D	D				
PLC Programming and RAC Application		D	D	D				
Project Study 1 with Intellectual Property Rights	E	D	D	D	D		E	D
Project Study 2	D	D	D	D	D		D	D
Student Internship Program 1	D	D	D	D	D		D	D
Student Internship Program 2	D	D	D	D	D		D	D

Physical Education

Course	POa	POb	POc	POd	POe	POf	POg	POh
Movement Competency Training		I	E			E		
Exercise-based Fitness Activities		E	E			D		
Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	
Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	

Nurturing Tomorrow's Noblest

URS Angono	Tel. 8539-9930 to 31	URS Cainta	Tel. 8539-9938 to 39	URS Pillila	Tel. 8539-9942 to 44
URS Antipolo	Tel. 8539-9932 to 34	URS Cardona	Tel. 8539-9940 to 41	URS Rodriguez	Tel. 8539-9945 to 47
URS Binangonan	Tel. 8539-9935 to 37	URS Morong	Tel. 8539-9950 to 56	URS Taytay	Tel. 8539-9948 to 49

NSTP

Course	POa	POb	POc	POd	POe	POf	POg	POh
Movement Competency Training		I	E			E		
Exercise-based Fitness Activities		E	E			D		
Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	
Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	

Curriculum Map for BIT Major in Mechanical Technology

General Education:

Course	POa	POb	POc	POd	POe	POf	POg	POh
Understanding the Self	I	I				I		
Readings in the Philippine History	I		E				I	
Contemporary World		E	I	E			E	
Mathematics in the Modern World		I		D	E			
Purposive Communication	E	D					E	E
Art Appreciation			I			E		I
Science, Technology and Society		E	E	E				D
Ethics	D				D			E

Mandated Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Life and Works of National Hero Dr. Jose Rizal	E		D				D	E

GE Electives

Course	POa	POb	POc	POd	POe	POf	POg	POh
Modern Statistics with Computer Applications	E	E	D	D	E			
Gender and Society	E		E			E	D	E
Indigenous Creative Crafts			E			D	E	E

Math and Science Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Modern Statistics with Computer Applications	E	E	D	D	E			
Gender and Society	E		E			E	D	E
Indigenous Creative Crafts			E			D	E	E

Nurturing Tomorrow's Noblest

URS Angono	Tel. 8539-9930 to 31	URS Cainta	Tel. 8539-9938 to 39	URS Pillila	Tel. 8539-9942 to 44
URS Antipolo	Tel. 8539-9932 to 34	URS Cardona	Tel. 8539-9940 to 41	URS Rodriguez	Tel. 8539-9945 to 47
URS Binangonan	Tel. 8539-9935 to 37	URS Morong	Tel. 8539-9950 to 56	URS Taytay	Tel. 8539-9948 to 49

Applied Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Industrial Drawing		I	E				I	
Introduction to Information Technology	I	E		E				
Computer Programming		E	I	D				
Materials Technology Management		E	E	D				
Quality Control and Assurance		D	D	D	E			
Industrial Organization and Management	E	E		E				E
Industrial Psychology	E		E			E	D	E
Technopreneurship	E		D	D	E		D	
Production Management		D	D	D	E			
Foreign Language	I						E	D

Professional Courses

Course	POa	POb	POc	POd	POe	POf	POg	POh
Occupational Safety and Health		I	E			E	E	
Metrology		I	E	E				
Bench Work and Arc Welding		E	E	E				
Machine Maintenance		E	D	D				
Basic Machine Tool Operations		E	E	E				
Lathe Operations		E	E	D				
Advanced Lathe and Shaper Operations		D	D	D				
Advanced Milling and Grinding Operations		D	D	D				
Engineering Materials and Metallurgy		I	E	E				
Heat Treatment		E	D	D				
Auto CAD Mechanical		E	D	D				
CNC Lathe and Milling Programming		E	D	D				
Applied Mechanical Mathematics		E	E	E				
Jigs & Fixtures / Tool Die Designing		D	D	D	D			
CNC Lathe and Milling Application		D	D	D	D			
Project Study 1 with Intellectual Property Rights	E	D	D	D	D		E	D
Project Study 2	D	D	D	D	D		D	D
Student Internship Program 1	D	D	D	D	D		D	D
Student Internship Program 2	D	D	D	D	D		D	D

Physical Education

Course	POa	POb	POc	POd	POe	POf	POg	POh
Movement Competency Training		I	E			E		
Exercise-based Fitness Activities		E	E			D		
Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	
Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	

Nurturing Tomorrow's Noblest

URS Angono	Tel. 8539-9930 to 31	URS Cainta	Tel. 8539-9938 to 39	URS Pillila	Tel. 8539-9942 to 44
URS Antipolo	Tel. 8539-9932 to 34	URS Cardona	Tel. 8539-9940 to 41	URS Rodriguez	Tel. 8539-9945 to 47
URS Binangonan	Tel. 8539-9935 to 37	URS Morong	Tel. 8539-9950 to 56	URS Taytay	Tel. 8539-9948 to 49

NSTP

Course	POa	POb	POc	POd	POe	POf	POg	POh
Movement Competency Training		I	E			E		
Exercise-based Fitness Activities		E	E			D		
Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	
Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities		E	E			D	E	

Nurturing Tomorrow's Noblest

URS Angono	Tel. 8539-9930 to 31	URS Cainta	Tel. 8539-9938 to 39	URS Pillila	Tel. 8539-9942 to 44
URS Antipolo	Tel. 8539-9932 to 34	URS Cardona	Tel. 8539-9940 to 41	URS Rodriguez	Tel. 8539-9945 to 47
URS Binangonan	Tel. 8539-9935 to 37	URS Morong	Tel. 8539-9950 to 56	URS Taytay	Tel. 8539-9948 to 49

BACHELOR OF INDUSTRIAL TECHNOLOGY (BIndTech)
major in ARCHITECTURAL DRAFTING TECHNOLOGY

First Year - First Semester

Course Code	Descriptive Title	No. of Hours/Week		Units	Pre-requisite
		Lec.	Lab.		
Math 1	Mathematics in the Modern World	3	0	3	
Self 1	Understanding the Self	3	0	3	
Sci & Tech 1	Science, Technology and Society	3	0	3	
OSH	Occupational Safety and Health	3	0	3	
ADT 1	Drafting Fundamentals and Theory of Design	1	6	3	
Draw 1	Industrial Drawing	1	3	2	
PATHFit 1	Movement Competency Training	2	0	2	
NSTP 1	National Service Training Program 1 (CWTS/LTS/ROTC)	3	0	3	
Total				**22**	

First Year- Second Semester

Course Code	Descriptive Title	No. of Hours/Week		Units	Pre-requisite
		Lec.	Lab.		
Math 2	Comprehensive Mathematics	5	0	5	
History 1	Readings in Philippine History	3	0	3	
GE Elec 1	Modern Statistics with Computer Applications	3	0	3	
ADT 2	Commercial Arts 1	1	6	3	
ADT 3	Basic Auto CAD (2D Application) for Drafting Technology	1	6	3	ADT 1, DRAW 1
IT 1	Introduction to Information Technology	2	3	3	
PATHFit 2	Exercise-based Fitness Activities	2	0	2	PATHFit 1
NSTP 2	National Service Training Program 2 (CWTS/LTS/ROTC)	3	0	3	NSTP 1
Total				**25**	

Second Year- First Semester

Course Code	Descriptive Title	No. of Hours/Week		Units	Pre-requisite
		Lec.	Lab.		
Eng 1	Purposive Communication	3	0	3	
Ethics	Ethics	3	0	3	
ADT 4	Woodcraft Drafting	1	6	3	
ADT 5	Commercial Arts 2	1	6	3	ADT 2
ADT 6	Auto CAD 3D Application	1	6	3	ADT 3
BIT 1	Materials Technology Management	3	0	3	
IT 2	Computer Programming	2	3	3	IT 1
PATHFit 3	Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 1 & 2
Total				**23**	

Second Year- Second Semester

Course Code	Descriptive Title	No. of Hours/Week		Units	Pre-requisite
		Lec.	Lab.		
Hum 1	Art Appreciation	3	0	3	
ADT 7	Architectural Drafting and Design	1	6	3	ADT 2, DRAW 1
ADT 8	Machine Drafting using Auto CAD	1	6	3	ADT 6
ADT 9	CAD Architectural Design	1	6	3	ADT 6
Chem 1	Chemistry for Industrial Technologists	2	3	3	
BIT 2	Quality Control and Assurance	3	0	3	
BIT 3	Industrial Organization and Management	3	0	3	
PATHFit 4	Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 1 & 2
Total				**23**	

Third Year - First Semester

Course Code	Descriptive Title	No. of Hours/Week		Units	Pre-requisite
		Lec.	Lab.		
Rizal	Life and Works of National Hero Dr. Jose Rizal	3	0	3	
GE Elec 2	Gender and Society	3	0	3	
Phys 1	Physics for Industrial Technologists	2	3	3	Math 2
ADT 10	Electrical and Electronics Drafting	1	6	3	ADT 7
ADT 11	Interior Design and Landscaping	1	6	3	ADT 7
ADT 12	Structural Design	1	6	3	ADT8
BIT 4	Industrial Psychology	3	0	3	
Res 1	Project Study 1 with Intellectual Property Rights	2	3	3	
Total				**24**	

Third Year- Second Semester

Course Code	Descriptive Title	No. of Hours/Week		Units	Pre-requisite
		Lec.	Lab.		
CW 1	Contemporary World	3	0	3	
GE Elec 3	Indigenous Creative Crafts	3	0	3	
ADT 13	Estimate and Scale Modeling	2	6	4	ADT 12
ADT 14	Product Design and Development	1	6	3	ADT12, DRAW 1
Res 2	Project Study 2	2	3	3	Res 1
BIT 5	Technopreneurship	3	0	3	
BIT 6	Production Management	3	0	3	
BIT 7	Foreign Language	3	0	3	
Total				**25**	

Fourth Year- First Semester

Course Code	Descriptive Title	No. of Hours/Week		Units	Pre-requisite
		Lec.	Lab.		
SIP 1	Student Internship Program 1	0	600 hrs./sem.	6	Completed Academic Requirements
Total				**6**	

Fourth Year- Second Semester

Course Code	Descriptive Title	No. of Hours/ Week		Units	Pre-requisite
		Lec.	Lab.		
SIP 2	Student Internship Program 2	0	600 hrs./sem.	6	SIP 1
Total				**6**	

	CLASSIFICATION/ FIELD/ COURSES	Units
	Summary (BIndTech- ADT)	
	CLASSIFICATION/ FIELD/ COURSES	**Units**
I.	Technical Courses	
A.	Math and Science Courses	11
B.	Applied Courses	29
C.	Professional Courses	64
	Total (Technical Courses)	104
II.	Non- Technical Courses	
D.	Required General Education	24
E.	General Education Electives	9
F.	Mandated Courses	3
G.	PATHFit	8
H.	National Service Training Program	6
	Total (Non- Technical Courses)	50
	TOTAL	**154**

BACHELOR OF INDUSTRIAL TECHNOLOGY (BIndTech)
major in AUTOMOTIVE TECHNOLOGY

First Year - First Semester

Course Code	Descriptive Title	No. of Hours/Week		Units	Pre-requisite
		Lec.	Lab.		
Math 1	Mathematics in the Modern World	3	0	3	
Self 1	Understanding the Self	3	0	3	
Sci & Tech 1	Science, Technology and Society	3	0	3	
OSH	Occupational Safety and Health	3	0	3	
AT 1	Fundamentals of Automotive Technology	3	0	3	
AT 2	Automotive Electrical System	2	3	3	
Draw 1	Industrial Drawing	1	3	2	
PATHFit 1	Movement Competency Training	2	0	2	
NSTP 1	National Service Training Program 1 (CWTS/LTS/ROTC)	3	0	3	
Total				**25**	

First Year- Second Semester

Course Code	Descriptive Title	No. of Hours/Week		Units	Pre-requisite
		Lec.	Lab.		
Math 2	Comprehensive Mathematics	5	0	5	
Eng 1	Purposive Communication	3	0	3	
AT 3	Automotive Electronics	2	3	3	AT 2
AT 4	Small Engine Repair and Motorcycle Servicing	2	3	3	AT 1
AT 5	Automobile LPG System	2	3	3	AT 1, AT 2
IT 1	Introduction to Information Technology	2	3	3	
PATHFit 2	Exercise-based Fitness Activities	2	0	2	PATHFit 1
NSTP 2	National Service Training Program 2 (CWTS/LTS/ROTC)	3	0	3	NSTP 1
Total				**25**	

Second Year- First Semester

Course Code	Descriptive Title	No. of Hours/Week		Units	Pre-requisite
		Lec.	Lab.		
Chem 1	Chemistry for Industrial Technologists	2	3	3	
GE Elec 1	Modern Statistics with Computer Applications	3	0	3	
Rizal	Life and Works of National Hero Dr. Jose Rizal	3	0	3	
AT 6	Car Care Servicing, Emission Control and Tune-up	2	3	3	AT 1
AT 7	Body Repair and Painting	2	3	3	
AT 8	Power Train and Conversion System	2	3	3	AT 1
IT 2	Computer Programming	2	3	3	IT 1
PATHFit 3	Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 1 & 2
Total				**23**	

Second Year- Second Semester

Course Code	Descriptive Title	No. of Hours/Week Lec.	No. of Hours/Week Lab.	Units	Pre-requisite
Hum 1	Art Appreciation	3	0	3	
CW 1	Contemporary World	3	0	3	
Ethics	Ethics	3	0	3	
AT 9	Engine Overhauling and Performance Testing	2	3	3	AT 1
AT 10	Automotive CAD	2	3	3	Draw 1
BIT 1	Materials Technology Management	3	0	3	
BIT 2	Quality Control and Assurance	3	0	3	
PATHFit 4	Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 1 & 2
Total				**23**	

Third Year - First Semester

Course Code	Descriptive Title	No. of Hours/Week Lec.	No. of Hours/Week Lab.	Units	Pre-requisite
History 1	Readings in Philippine History	3	0	3	
GE Elec 2	Gender and Society	3	0	3	
Phys 1	Physics for Industrial Technologists	2	3	3	Math 2
AT 11	Hybrid and Electrical Vehicle	2	3	3	AT 1, AT 3
AT 12	Automotive Air Conditioning	2	3	3	AT 1, AT 2
AT 13	Body Management and Under-chassis Electronic Control System	2	3	3	AT 1, AT 3
Res 1	Project Study 1 with Intellectual Property Rights	2	3	3	
BIT 3	Industrial Organization and Management	3	0	3	
Total				**24**	

Third Year- Second Semester

Course Code	Descriptive Title	No. of Hours/Week Lec.	No. of Hours/Week Lab.	Units	Pre-requisite
GE Elec 3	Indigenous Creative Crafts	3	0	3	
AT 14	Driving Education	2	3	3	
AT 15	Electronics Engine Management Control System	3	0	3	AT 1, AT 2, AT 3
Res 2	Project Study 2	2	3	3	Res 1
BIT 4	Industrial Psychology	3	0	3	
BIT 5	Technopreneurship	3	0	3	
BIT 6	Production Management	3	0	3	
BIT 7	Foreign Language	3	0	3	
Total				**24**	

Fourth Year- First Semester

Course Code	Descriptive Title	No. of Hours/Week Lec.	No. of Hours/Week Lab.	Units	Pre-requisite
SIP 1	Student Internship Program 1	0	600 hrs./sem.	6	Completed Academic Requirements
Total				**6**	

Fourth Year- Second Semester

Course Code	Descriptive Title	No. of Hours/Week Lec.	No. of Hours/Week Lab.	Units	Pre-requisite
SIP 2	Student Internship Program 2	0	600 hrs./sem.	6	SIP 1
Total				**6**	

	Summary (BIndTech - AT)	
	CLASSIFICATION/ FIELD/ COURSES	
I.	Technical Courses	
A.	Math and Science Courses	11
B.	Applied Courses	29
C.	Professional Courses	66
	Total (Technical Courses)	106
II.	Non- Technical Courses	
D.	Required General Education	24
E.	General Education Electives	9
F.	Mandated Courses	3
G.	PATHFit	8
H.	National Service Training Program	6
	Total (Non- Technical Courses)	50
	TOTAL	**156**

**BACHELOR OF INDUSTRIAL TECHNOLOGY (BIndTech)
major in CONSTRUCTION TECHNOLOGY**

First Year - First Semester

Course Code	Descriptive Title	No. of Hours/ Week		Units	Pre-requisite
		Lec.	Lab.		
Math 1	Mathematics in the Modern World	3	0	3	
Self 1	Understanding the Self	3	0	3	
Sci & Tech 1	Science, Technology and Society	3	0	3	
OSH	Occupational Safety and Health	3	0	3	
CT 1	National Building Code	3	0	3	
CT 2	Basic Carpentry	1	6	3	
Draw 1	Industrial Drawing	1	3	2	
PATHFit 1	Movement Competency Training	2	0	2	
NSTP 1	National Service Training Program 1 (CWTS/LTS/ROTC)	3	0	3	
Total				**25**	

First Year- Second Semester

Course Code	Descriptive Title	No. of Hours/ Week		Units	Pre-requisite
		Lec.	Lab.		
Math 2	Comprehensive Mathematics	5	0	5	
Eng 1	Purposive Communication	3	0	3	
CT 3	Finishing Carpentry	1	6	3	CT 2
CT 4	Masonry and Floor Finishing	1	6	3	
CT 5	Tinsmithing Works	2	3	3	
IT 1	Introduction to Information Technology	2	3	3	
PATHFit 2	Exercise-based Fitness Activities	2	0	2	PATHFit 1
NSTP 2	National Service Training Program 2 (CWTS/LTS/ROTC)	3	0	3	NSTP 1
Total				**25**	

Second Year- First Semester

Course Code	Descriptive Title	No. of Hours/ Week		Units	Pre-requisite
		Lec.	Lab.		
Chem 1	Chemistry for Industrial Technologists	2	3	3	
GE Elec 1	Modern Statistics with Computer Applications	3	0	3	
Rizal	Life and Works of National Hero Dr. Jose Rizal	3	0	3	
CT 6	CAD for Construction Technology	2	3	3	DRAW 1, CT 1, CT 4
CT 7	Engineering Mechanics Static	2	3	3	MATH 2
CT 8	Plumbing	1	6	3	CT 4
IT 2	Computer Programming	2	3	3	IT 1
PATHFit 3	Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 1 & 2
Total				**23**	

Second Year- Second Semester

Course Code	Descriptive Title	No. of Hours/ Week Lec.	No. of Hours/ Week Lab.	Units	Pre-requisite
Hum 1	Art Appreciation	3	0	3	
CW 1	Contemporary World	3	0	3	
Ethics	Ethics	3	0	3	
CT 9	Construction Surveying	1	6	3	MATH 2, CT 4
CT 10	Strength of Materials	2	3	3	CT 7
BIT 1	Materials Technology Management	3	0	3	
BIT 2	Quality Control and Assurance	3	0	3	
PATHFit 4	Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 1 & 2
Total				**23**	

Third Year - First Semester

Course Code	Descriptive Title	No. of Hours/ Week Lec.	No. of Hours/ Week Lab.	Units	Pre-requisite
History 1	Readings in Philippine History	3	0	3	
GE Elec 2	Gender and Society	3	0	3	
Phys 1	Physics for Industrial Technologists	2	3	3	Math 2
CT 11	Concrete and Rebars	1	6	3	CT 1, CT 4
CT 12	Soil and Construction Material Testing	2	3	3	CT 7
CT 13	Building Construction and Estimate	2	3	3	CT 3, CT 8
Res 1	Project Study 1 with Intellectual Property Rights	2	3	3	
BIT 3	Industrial Organization and Management	3	0	3	
Total		20	12	**24**	

Third Year- Second Semester

Course Code	Descriptive Title	No. of Hours/ Week Lec.	No. of Hours/ Week Lab.	Units	Pre-requisite
GE Elec 3	Indigenous Creative Crafts	3	0	3	
CT 14	Construction Method and Project Management	3	0	3	CT 1
CT 15	Contract, Specification and Ethics	3	0	3	CT 1
Res 2	Project Study 2	2	3	3	Res 1
BIT 4	Industrial Psychology	3	0	3	
BIT 5	Technopreneurship	3	0	3	
BIT 6	Production Management	3	0	3	
BIT 7	Foreign Language	3	0	3	
Total				**24**	

Fourth Year- First Semester

Course Code	Descriptive Title	No. of Hours/ Week Lec.	No. of Hours/ Week Lab.	Units	Pre-requisite
SIP 1	Student Internship Program 1	0	600 hrs./ sem.	6	Completed Academic Requirements
Total				**6**	

Fourth Year- Second Semester

Course Code	Descriptive Title	No. of Hours/ Week Lec.	No. of Hours/ Week Lab.	Units	Pre-requisite
SIP 2	Student Internship Program 2	0	600 hrs./ sem.	6	SIP 1
Total				**6**	

Summary (BIndTech- CT)		
	CLASSIFICATION/ FIELD/ COURSES	**Units**
I.	Technical Courses	
A.	Math and Science Courses	11
B.	Applied Courses	29
C.	Professional Courses	66
	Total (Technical Courses)	106
II.	Non- Technical Courses	
D.	Required General Education	24
E.	General Education Electives	9
F.	Mandated Courses	3
G.	PATHFit	8
H.	National Service Training Program	6
	Total (Non- Technical Courses)	50
	TOTAL	**156**

BACHELOR OF INDUSTRIAL TECHNOLOGY (BIndTech)
major in ELECTRICAL TECHNOLOGY

First Year - First Semester

Course Code	Descriptive Title	No. of Hours/ Week		Units	Pre-requisite
		Lec.	Lab.		
Math 1	Mathematics in the Modern World	3	0	3	
OSH	Occupational Safety and Health	3	0	3	
ELT 1	Philippine Electrical Code	2	0	2	
ELT 2	Electricity and Electronics Principles	1	3	2	
ELT 3	DC Circuits	1	3	2	
ELT 4	Shop Processes, Tools and Equipment	1	3	2	
ELT 5	Residential Wiring System	1	6	3	
Draw 1	Industrial Drawing	1	3	2	
PATHFit 1	Movement Competency Training	2	0	2	
NSTP 1	National Service Training Program 1 (CWTS/LTS/ROTC)	3	0	3	
Total				**24**	

First Year- Second Semester

Course Code	Descriptive Title	No. of Hours/ Week		Units	Pre-requisite
		Lec.	Lab.		
Math 2	Comprehensive Mathematics	5	0	5	
ELT 6	AC Circuits	2	3	3	ELT 2, ELT 3
ELT 7	Industrial Wiring System	1	6	3	ELT 5
ELT 8	Electrical Instruments and Measurements	2	3	3	ELT 4
ELT 9	Electrical Machines	1	6	3	ELT 1, ELT 2
IT 1	Introduction to Information Technology	2	3	3	
PATHFit 2	Exercise-based Fitness Activities	2	0	2	PATHFit 1
NSTP 2	National Service Training Program 2 (CWTS/LTS/ROTC)	3	0	3	NSTP 1
Total				**25**	

Second Year- First Semester

Course Code	Descriptive Title	No. of Hours/ Week		Units	Pre-requisite
		Lec.	Lab.		
Chem 1	Chemistry for Industrial Technologists	2	3	3	
Sci & Tech 1	Science, Technology and Society	3	0	3	
GE Elec 1	Modern Statistics with Computer Applications	3	0	3	
Eng 1	Purposive Communication	3	0	3	
ELT 10	Transmission and Distribution System	2	3	3	ELT 6, ELT 8
ELT 11	Industrial Motor Controllers	1	6	3	ELT 1, ELT 7
ELT 12	Power Production and Management Systems	1	3	2	ELT 9
IT 2	Computer Programming	2	3	3	IT 1
PATHFit 3	Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 1 & 2
Total				**25**	

Second Year- Second Semester

Course Code	Descriptive Title	No. of Hours/Week		Units	Pre-requisite
		Lec.	Lab.		
Hum 1	Art Appreciation	3	0	3	
CW 1	Contemporary World	3	0	3	
Ethics	Ethics	3	0	3	
ET 13	Logic Circuits	2	3	3	ELT 11
ET 14	Electrical Computer-Aided Design	2	3	3	ELT 1, DRAW 1
ET 15	Electro-pneumatic System	2	3	3	ELT 11
BIT 1	Materials Technology Management	3	0	3	
BIT 2	Quality Control and Assurance	3	0	3	
PATHFit 4	Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 1 & 2
Total				**26**	

Third Year - First Semester

Course Code	Descriptive Title	No. of Hours/Week		Units	Pre-requisite
		Lec.	Lab.		
Self 1	Understanding the Self	3	0	3	
History 1	Readings in Philippine History	3	0	3	
GE Elec 2	Gender and Society	3	0	3	
Phys 1	Physics for Industrial Technologists	2	3	3	Math 2
ELT 16	Programmable Logic Controllers	2	3	3	ELT 15
Rizal	Life and Works of National Hero Dr. Jose Rizal	3	0	3	
Res 1	Project Study 1 with Intellectual Property Rights	2	3	3	
BIT 3	Industrial Organization and Management	3	0	3	
Total				**24**	

Third Year- Second Semester

Course Code	Descriptive Title	No. of Hours/Week		Units	Pre-requisite
		Lec.	Lab.		
GE Elec 3	Indigenous Creative Crafts	3	0	3	
ELT 17	Instrumentation and Process Control	2	3	3	ELT 8, ELT 16
Res 2	Project Study 2	2	3	3	Res 1
BIT 4	Industrial Psychology	3	0	3	
BIT 5	Technopreneurship	3	0	3	
BIT 6	Production Management	3	0	3	
BIT 7	Foreign Language	3	0	3	
Total				**21**	

Fourth Year- First Semester

Course Code	Descriptive Title	No. of Hours/Week		Units	Pre-requisite
		Lec.	Lab.		
SIP 1	Student Internship Program 1	0	600 hrs./ sem.	6	Completed Academic Requirements
Total				**6**	

Fourth Year- Second Semester

Course Code	Descriptive Title	No. of Hours/Week		Units	Pre-requisite
		Lec.	Lab.		
SIP 2	Student Internship Program 2	0	600 hrs./ sem.	6	SIP 1
Total				**6**	

Summary (BIndTech- ET)		
	CLASSIFICATION/ FIELD/ COURSES	**Units**
I.	Technical Courses	
A.	Math and Science Courses	11
B.	Applied Courses	29
C.	Professional Courses	67
	Total (Technical Courses)	107
II.	Non- Technical Courses	
D.	Required General Education	24
E.	General Education Electives	9
F.	Mandated Courses	3
G.	PATHFit	8
H.	National Service Training Program	6
	Total (Non- Technical Courses)	50
	TOTAL	**157**

Republic of the Philippines
UNIVERSITY OF RIZAL SYSTEM
Province of Rizal

BACHELOR OF INDUSTRIAL TECHNOLOGY (BIndTech)
major in ELECTRONICS TECHNOLOGY

First Year - First Semester

Course Code	Descriptive Title	Lec.	Lab.	Units	Pre-requisite
Math 1	Mathematics in the Modern World	3	0	3	
Self 1	Understanding the Self	3	0	3	
Sci & Tech 1	Science, Technology and Society	3	0	3	
OSH	Occupational Safety and Health	3	0	3	
ELX 1	Electronic Devices 1	3	6	5	
Draw 1	Industrial Drawing	1	3	2	
PATHFit 1	Movement Competency Training	2	0	2	
NSTP 1	National Service Training Program 1 (CWTS/LTS/ROTC)	3	0	3	
Total				**24**	

First Year- Second Semester

Course Code	Descriptive Title	Lec.	Lab.	Units	Pre-requisite
Math 2	Comprehensive Mathematics	5	0	5	
History 1	Readings in Philippine History	3	0	3	
GE Elec 1	Modern Statistics with Computer Applications	3		3	
ELX 2	Electronic Devices 2	2	3	3	ELX 1
ELX 3	Electronics Communication 1	2	3	3	
IT 1	Introduction to Information Technology	2	3	3	
PATHFit 2	Exercise-based Fitness Activities	2	0	2	PATHFit 1
NSTP 2	National Service Training Program 2 (CWTS/LTS/ROTC)	3	0	3	NSTP 1
Total				**25**	

Second Year- First Semester

Course Code	Descriptive Title	Lec.	Lab.	Units	Pre-requisite
Eng 1	Purposive Communication	3	0	3	
Ethics	Ethics	3	0	3	
ELX 4	Electronics CAD	2	3	3	DRAW 1
ELX 5	Electronics Communication 2	2	3	3	ELX 3
ELX 6	Digital Electronics	2	3	3	ELX 2
BIT 1	Materials Technology Management	3	0	3	
IT 2	Computer Programming	2	3	3	IT 1
PATHFit 3	Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 1 & 2
Total				**23**	

Second Year- Second Semester

Course Code	Descriptive Title	No. of Hours/Week Lec.	Lab.	Units	Pre-requisite
Hum 1	Art Appreciation	3	0	3	
CW 1	Contemporary World	3	0	3	
ELX 7	Instrumentation and Process Control	2	3	3	ELX 6
ELX 8	Sensor Technology	2	3	3	ELX 6
Chem 1	Chemistry for Industrial Technologists	2	3	3	
BIT 2	Quality Control and Assurance	3	0	3	
BIT 3	Industrial Organization and Management	3	0	3	
PATHFit 4	Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 1 & 2
Total				**23**	

Third Year - First Semester

Course Code	Descriptive Title	No. of Hours/Week Lec.	Lab.	Units	Pre-requisite
Rizal	Life and Works of National Hero Dr. Jose Rizal	3	0	3	
GE Elec 2	Gender and Society	3	0	3	
Phys 1	Physics for Industrial Technologists	2	3	3	Math 2
ELX 9	Multimedia Systems	2	3	3	ELX 2, IT 1
ELX 10	Industrial Electronics	2	3	3	ELX 7, ELX 8
ELX 11	Electro-Pneumatic System	2	3	3	ELX 7, ELX 8
BIT 4	Industrial Psychology	3	0	3	
Res 1	Project Study 1 with Intellectual Property Rights	2	3	3	
Total				**24**	

Third Year- Second Semester

Course Code	Descriptive Title	No. of Hours/Week Lec.	Lab.	Units	Pre-requisite
GE Elec 3	Indigenous Creative Crafts	3	0	3	
ELX 12	Programmable Controllers	2	3	3	ELX 10
ELX 13	Industrial Robotics	2	3	3	ELX 10
ELX 14	Electronic Laws and Standards	3	0	3	ELX 5
Res 2	Project Study 2	2	3	3	Res 1
BIT 5	Technopreneurship	3	0	3	
BIT 6	Production Management	3	0	3	
BIT 7	Foreign Language	3	0	3	
Total				**24**	

Fourth Year- First Semester

Course Code	Descriptive Title	No. of Hours/Week Lec.	Lab.	Units	Pre-requisite
SIP 1	Student Internship Program 1	0	600 hrs./sem.	6	Completed Academic Requirements
Total				**6**	

Fourth Year- Second Semester

Course Code	Descriptive Title	No. of Hours/Week Lec.	Lab.	Units	Pre-requisite
SIP 2	Student Internship Program 2	0	600 hrs./sem.	6	SIP 1
Total				**6**	

Summary (BIndTech- ELX)		
	CLASSIFICATION/ FIELD/ COURSES	**Units**
I.	Technical Courses	
A.	Math and Science Courses	11
B.	Applied Courses	29
C.	Professional Courses	65
	Total (Technical Courses)	105
II.	Non- Technical Courses	
D.	Required General Education	24
E.	General Education Electives	9
F.	Mandated Courses	3
G.	PATHFit	8
H.	National Service Training Program	6
	Total (Non- Technical Courses)	50
	TOTAL	**155**

BACHELOR OF INDUSTRIAL TECHNOLOGY (BIndTech)
major in HVACR TECHNOLOGY

First Year - First Semester

Course Code	Descriptive Title	No. of Hours/ Week		Units	Pre-requisite
		Lec.	Lab.		
Math 1	Mathematics in the Modern World	3	0	3	
Self 1	Understanding the Self	3	0	3	
Sci & Tech 1	Science, Technology and Society	3	0	3	
OSH	Occupational Safety and Health	3	0	3	
HVACR 1	Fundamentals of Heating, Ventilating, Air-conditioning and Refrigeration	1	6	3	
Draw 1	Industrial Drawing	1	3	2	
PATHFit 1	Movement Competency Training	2	0	2	
NSTP 1	National Service Training Program 1 (CWTS/LTS/ROTC)	3	0	3	
Total				**22**	

First Year- Second Semester

Course Code	Descriptive Title	No. of Hours/ Week		Units	Pre-requisite
		Lec.	Lab.		
Math 2	Comprehensive Mathematics	5	0	5	
History 1	Readings in Philippine History	3	0	3	
GE Elec 1	Modern Statistics with Computer Applications	3	0	3	
HVACR 2	CAD for HVACR	2	3	3	DRAW 1, HVACR 1
HVACR 3	Domestic RAC Systems	2	3	3	HVACR 1
IT 1	Introduction to Information Technology	2	3	3	
PATHFit 2	Exercise-based Fitness Activities	2	0	2	PATHFit 1
NSTP 2	National Service Training Program 2 (CWTS/LTS/ROTC)	3	0	3	NSTP 1
Total				**25**	

Second Year- First Semester

Course Code	Descriptive Title	No. of Hours/ Week		Units	Pre-requisite
		Lec.	Lab.		
Eng 1	Purposive Communication	3	0	3	
Ethics	Ethics	3	0	3	
HVACR 4	Commercial Refrigeration Equipment Installation and Maintenance	1	6	3	HVACR 3
HVACR 5	Package Air-conditioning Unit Installation and maintenance	1	6	3	HVACR 3
HVACR 6	Air Handling Units Installation, Service and Maintenance	2	3	3	HVACR 3
BIT 1	Materials Technology Management	3	0	3	
IT 2	Computer Programming	2	3	3	IT 1
PATHFit 3	Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 1 & 2
Total				**23**	

Second Year- Second Semester

Course Code	Descriptive Title	No. of Hours/ Week		Units	Pre-requisite
		Lec.	Lab.		
Hum 1	Art Appreciation	3	0	3	
HVACR 7	Instrumentation and Control Devices	2	3	3	HVACR 4
HVACR 8	Introduction to Marine HVACR System Design	2	3	3	HVACR 5, HVACR 6
HVACR 9	Heat Pump Operation	2	3	3	HVACR 6
Chem 1	Chemistry for Industrial Technologists	2	3	3	
BIT 2	Quality Control and Assurance	3	0	3	
BIT 3	Industrial Organization and Management	3	0	3	
PATHFit 4	Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 1 & 2
Total				**23**	

Third Year - First Semester

Course Code	Descriptive Title	No. of Hours/ Week		Units	Pre-requisite
		Lec.	Lab.		
Rizal	Life and Works of National Hero Dr. Jose Rizal	3	0	3	
GE Elec 2	Gender and Society	3	0	3	
Phys 1	Physics for Industrial Technologists	2	3	3	Math 2
HVACR 10	Air- conditioning and Refrigeration Plant Designing	2	3	3	HVACR 6, HVACR 7
HVACR 11	Mobile Refrigeration and Air- conditioning installation, Troubleshooting, and Maintenance	2	6	4	HVACR 5
HVACR 12	Electro-Pneumatic and Hydraulics	2	3	3	HVACR 7
BIT 4	Industrial Psychology	3	0	3	
Res 1	Project Study 1 with Intellectual Property Rights	2	3	3	
Total				**25**	

Third Year- Second Semester

Course Code	Descriptive Title	No. of Hours/ Week		Units	Pre-requisite
		Lec.	Lab.		
CW 1	Contemporary World	3	0	3	
GE Elec 3	Indigenous Creative Crafts	3	0	3	
HVACR 13	Special Refrigeration and Transport Refrigeration System	2	3	3	HVACR 7
HVACR 14	PLC Programming and RAC Application	2	3	3	HVACR 12
Res 2	Project Study 2	2	3	3	Res 1
BIT 5	Technopreneurship	3	0	3	
BIT 6	Production Management	3	0	3	
BIT 7	Foreign Language	3	0	3	
Total				**24**	

Fourth Year- First Semester

Course Code	Descriptive Title	No. of Hours/ Week		Units	Pre-requisite
		Lec.	Lab.		
SIP 1	Student Internship Program 1	0	600 hrs./ sem.	6	Completed Academic Requirements
Total				**6**	

Fourth Year- Second Semester

Course Code	Descriptive Title	No. of Hours/ Week		Units	Pre-requisite
		Lec.	Lab.		
SIP 2	Student Internship Program 2	0	600 hrs./ sem.	6	SIP 1
Total				**6**	

Summary (BIndTech- HVACRT)

	CLASSIFICATION/ FIELD/ COURSES	Units
I.	Technical Courses	
A.	Math and Science Courses	11
B.	Applied Courses	29
C.	Professional Courses	64
	Total (Technical Courses)	104
II.	Non-Technical Courses	
D.	Required General Education	24
E.	General Education Electives	9
F.	Mandated Courses	3
G.	PATHFit	8
H.	National Service Training Program	6
	Total (Non- Technical Courses)	50
	TOTAL	**154**

BACHELOR OF INDUSTRIAL TECHNOLOGY (BIndTech)
major in MECHANICAL TECHNOLOGY

First Year - First Semester

Course Code	Descriptive Title	No. of Hours/ Week Lec.	No. of Hours/ Week Lab.	Units	Pre-requisite
Math 1	Mathematics in the Modern World	3	0	3	
Self 1	Understanding the Self	3	0	3	
Sci & Tech 1	Science, Technology and Society	3	0	3	
OSH	Occupational Safety and Health	3	0	3	
MT 1	Metrology	2	3	3	
Draw 1	Industrial Drawing	1	3	2	
PATHFit 1	Movement Competency Training	2	0	2	
NSTP 1	National Service Training Program 1 (CWTS/LTS/ROTC)	3	0	3	
Total				**22**	

First Year- Second Semester

Course Code	Descriptive Title	No. of Hours/ Week Lec.	No. of Hours/ Week Lab.	Units	Pre-requisite
Math 2	Comprehensive Mathematics	5	0	5	
History 1	Readings in Philippine History	3	0	3	
GE Elec 1	Modern Statistics with Computer Applications	3	0	3	
MT 2	Bench Work and Arc Welding	2	3	3	MT 1
MT 3	Machine Maintenance	2	3	3	
IT 1	Introduction to Information Technology	2	3	3	
PATHFit 2	Exercise-based Fitness Activities	2	0	2	PATHFit 1
NSTP 2	National Service Training Program 2 (CWTS/LTS/ROTC)	3	0	3	NSTP 1
Total				**25**	

Second Year- First Semester

Course Code	Descriptive Title	No. of Hours/ Week Lec.	No. of Hours/ Week Lab.	Units	Pre-requisite
Eng 1	Purposive Communication	3	0	3	
Rizal	Life and Works of National Hero Dr. Jose Rizal	3	0	3	
Ethics	Ethics	3	0	3	
MT 4	Basic Machine Tool Operations	1	6	3	MT 1, MT 3
MT 5	Lathe Operations	1	6	3	MT 1
BIT 1	Materials Technology Management	3	0	3	
IT 2	Computer Programming	2	3	3	IT 1
PATHFit 3	Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 1 & 2
Total				**23**	

Second Year- Second Semester

Course Code	Descriptive Title	No. of Hours/ Week Lec.	No. of Hours/ Week Lab.	Units	Pre-requisite
Hum 1	Art Appreciation	3	0	3	
CW 1	Contemporary World	3	0	3	
MT 6	Advanced Lathe and Shaper Operations	1	6	3	MT 5
MT 7	Advance Milling and Grinding Operation	1	6	3	MT 5
Chem 1	Chemistry for Industrial Technologists	2	3	3	
BIT 2	Quality Control and Assurance	3	0	3	
BIT 3	Industrial Organization and Management	3	0	3	
PATHFit 4	Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 1 & 2
Total				**23**	

Third Year - First Semester

Course Code	Descriptive Title	No. of Hours/ Week Lec.	No. of Hours/ Week Lab.	Units	Pre-requisite
GE Elec 2	Gender and Society	3	0	3	
Phys 1	Physics for Industrial Technologists	2	3	3	Math 2
MT 8	Engineering Materials and Metallurgy	2	3	3	
MT 9	Heat Treatment	1	6	3	MT 7
MT 10	Auto CAD Mechanical	2	3	3	DRAW 1, MT 1
MT 11	CNC Lathe and Milling Programming	2	3	3	MT 6, MT 7
BIT 4	Industrial Psychology	3	0	3	
Res 1	Project Study 1 with Intellectual Property Rights	2	3	3	
Total				**24**	

Third Year- Second Semester

Course Code	Descriptive Title	No. of Hours/ Week Lec.	No. of Hours/ Week Lab.	Units	Pre-requisite
GE Elec 3	Indigenous Creative Crafts	3	0	3	
MT 12	Applied Mechanical Mathematics	3	0	3	MATH 1, MT 1
MT 13	Jigs & Fixtures/ Tool and Die Designing	2	3	3	MT 6, MT 7
MT 14	CNC Lathe and Milling Application	2	6	4	MT 11
Res 2	Project Study 2	2	3	3	Res 1
BIT 5	Technopreneurship	3	0	3	
BIT 6	Production Management	3	0	3	
BIT 7	Foreign Language	3	0	3	
Total				**25**	

Fourth Year- First Semester

Course Code	Descriptive Title	No. of Hours/ Week Lec.	No. of Hours/ Week Lab.	Units	Pre-requisite
SIP 1	Student Internship Program 1	0	600 hrs./ sem.	6	Completed Academic Requirements
Total				**6**	

Fourth Year- Second Semester

Course Code	Descriptive Title	No. of Hours/ Week Lec.	No. of Hours/ Week Lab.	Units	Pre-requisite
SIP 2	Student Internship Program 2	0	600 hrs./ sem.	6	SIP 1
Total				**6**	

Summary (BIndTech- MT)		
	CLASSIFICATION/ FIELD/ COURSES	**Units**
I.	Technical Courses	
A.	Math and Science Courses	11
B.	Applied Courses	29
C.	Professional Courses	64
	Total (Technical Courses)	104
II.	Non- Technical Courses	
D.	Required General Education	24
E.	General Education Electives	9
F.	Mandated Courses	3
G.	PATHFit	8
H.	National Service Training Program	6
	Total (Non- Technical Courses)	50
	TOTAL	**154**