



**CURRICULUM**  
**Bachelor of Industrial Technology**  
**DRAFTING TECHNOLOGY**

Academic Year 2018-2019

Reference: CMO No. 20 S. 2013 and Based on PACUIT Proposal

**Curriculum Description**

The program in Bachelor of Industrial Technology Major in Drafting Technology provides knowledge in the construction of different working drawings that help improve the skills in drawing. Knowledge in graphic communication is an important factor of the course. This course includes the basic and advanced technical drawings, floor planning, architectural and structural drawings, architectural modeling and estimating. This course also contains computer-aided design concept and applications.

**Program Objectives**

1. Successfully practice as engineering technologists for the welfare of the society.
2. Demonstrate a high degree of professionalism at all times.

**Program Outcomes**

Graduates will have:

- a. An appropriate mastery of the knowledge, techniques, skills and modern tools of technology
- b. An ability to apply current knowledge and adapt to emerging applications of mathematics, science and technology
- c. An ability to conduct, analyze and interpret experiments and apply experimental results to improve processes
- d. An ability to apply creativity in the design of systems, components or processes appropriate to program objectives
- e. An ability to function effectively on teams
- f. An ability to identify, analyze and solve technical problems
- g. An ability to communicate effectively in writing and in oral presentation
- h. A recognition of the need for, and an ability to engage in lifelong learning
- i. An ability to understand professional, ethical and social responsibilities
- j. The knowledge of and respect for diverse backgrounds, contemporary societal and global issues concerning the profession
- k. A commitment to quality, timeliness and continuous improvement

**Curriculum Components**

Code	Courses	Units	Total
	<b>A. General Education Courses (CMO No. 20, series of 2013)</b>		<b>36 units</b>
	<b>B. Professional and Management Courses</b>		<b>32 units</b>
PM 101	Occupational Health and Safety Management	2	
PM 102	Industrial Operation & Management Practices	3	
PM 103	Production and Operations Management	3	
PM 104	Technology Research I	3	
PM 105	Materials Technology Management	3	
PM 106	Professional Ethics	3	
PM 107	Technology Research II	3	
PM 109	Manufacturing Technology	3	
PM 110	Total Quality Management	3	
PM 111	Environmental Technology	3	
PM 112	Technopreneurship	3	
	<b>C. Applied Sciences and Tools Courses</b>		<b>27 units</b>
AST 111	Math for Technology	3	
AST 102	Applied Chemistry	3	
AST 105	Applied Physics	3	
AST 133	Production Drawing	2	
AST 131	Introduction to Design	3	
AST 134	Computer Programming	3	
AST 126	National Building Code	2	
AST 110	Data Analytics	3	
AST 115	Basic Electrical Wiring	3	

AST 132	Commercial Arts	2	
	<b>D. Major Specialization Courses</b>		<b>38 units</b>
DT 111	Technical Drawing I	4	
DT 121	Technical Drawing 2	4	
DT 122	CAD 1	3	
DT 211	Architectural Drawing 1	4	
DT 213	CAD 2	2	
DT 221	Architectural Drawing 2	4	
DT 222	CAD 3	2	
DT 311	Structural Drawing	3	
DT 312	Construction Estimating & Planning	3	
DT 313	Industrial Design 1	2	
DT 321	Machine Drawing	3	
DT 322	Architectural Modelling	2	
DT 323	Industrial Design 2	2	
	<b>E. Mandated Courses</b>		<b>14 units</b>
PE 101	Physical Fitness, Gymnastics and Aerobics	2	
PE 102	Rhythmic Activities	2	
PE 103	Individual and Dual Sports	2	
PE 104	Team Sports	2	
NSTP 111	National Service Training Program 1	3	
NSTP 121	National Service Training Program 2	3	
	<b>F. Supervised Industrial Training/OJT</b>		<b>20 units</b>

<b>SUMMARY</b>	
<b>Courses</b>	<b>Number of Units</b>
General Education	36
Applied Sciences and Tool Courses	27
Professional and Management Courses	32
Specialization/Major Courses	38
Supervised Industrial Training/OJT	20
Mandated Courses (PE & NSTP)	14
<b>TOTAL</b>	<b>167</b>

Republic of the Philippines  
**BATANGAS STATE UNIVERSITY**  
 Batangas City

**COLLEGE OF INDUSTRIAL TECHNOLOGY**  
 Bachelor of Industrial Technology (BIT)  
 Drafting Technology  
 Effective A.Y. 2018 - 2019

**PROGRAM OF STUDY**

<b>FIRST YEAR</b>						
<b>First Semester</b>						
COURSE NO.	COURSE TITLE	CREDIT		UNITS	NO. OF HRS.	PRE-REQUISITE
		LEC	LB/SW			
AST 111	Math for Technology	3	0	3	3	None
AST 102	Applied Chemistry	2	3	3	5	None
AST 105	Applied Physics	2	3	3	5	None
AST 131	Introduction to Design	2	3	3	5	None
PM 101	Occupational Health and Safety Management	2	0	2	2	None
DT 111	Technical Drawing I	2	6	4	8	None
NSTP 111	National Service Training Program 1	3	0	3	3	None
PE 101	Physical Fitness, Gymnastics and Aerobics	2	0	2	2	None
<b>TOTAL</b>				<b>23</b>	<b>28</b>	
<b>FIRST YEAR</b>						
<b>Second Semester</b>						
COURSE NO.	COURSE TITLE	CREDIT		UNITS	NO. OF HRS.	PRE-REQUISITE
		LEC	LB/SW			
Ged 101	Understanding the Self	3	0	3	3	None
Ged 102	Mathematics in the Modern World	3	0	3	3	None
Ged 106	Purposive Communication	3	0	3	3	None
Ged 109	Science Technology and Society	3	0	3	3	None
DT 121	Technical Drawing 2	2	6	4	8	DT 111
DT 122	CAD I	2	3	3	5	DT 111
NSTP 121	National Service Training Program 2	3	0	3	3	NSTP111
PE 102	Rhythmic Activities	2	0	2	2	PE101
<b>TOTAL</b>				<b>24</b>	<b>25</b>	
<b>SECOND YEAR</b>						
<b>First Semester</b>						
COURSE NO.	COURSE TITLE	CREDIT		UNITS	NO. OF HRS.	PRE-REQUISITE
		LEC	LB/SW			
Ged 103	The Life and Works of Rizal	3	0	3	3	None
Ged 104	The Contemporary World	3	0	3	3	None
FILI 101	Kontekstwalisadong Komunikasyon sa Filipino	3	0	3	3	None
PM 102	Industrial Operation & Management Practices	3	0	3	3	None
AST 134	Computer Programming	2	3	3	5	None
AST 126	National Building Code	2	0	2	2	DT 121
DT 211	Architectural Drafting 1	2	6	4	8	DT 121
DT 213	CAD II	1	3	2	4	DT 122
PE 103	Individual and Dual Sports	2	0	2	2	PE102
<b>TOTAL</b>				<b>25</b>	<b>33</b>	
<b>SECOND YEAR</b>						
<b>Second Semester</b>						
COURSE NO.	COURSE TITLE	CREDIT		UNITS	NO. OF HRS.	PRE-REQUISITE
		LEC	LB/SW			
FILI 102	Filipino sa Iba't Ibang Disiplina	3	0	3	3	None
Ged 107	Ethics	3	0	3	3	None
PM 103	Production and Operations Management	3	0	3	3	None
AST 110	Data Analytics	3	0	3	3	Ged 102, AST 111
AST 115	Basic Electrical Wiring	2	3	3	5	None
AST 132	Commercial Arts	1	3	2	4	AST 131
DT 221	Architectural Drafting 2	2	6	4	8	DT 211
DT 222	CAD III	1	3	2	4	DT 213
PE 104	Team Sports	2	0	2	2	PE103
<b>TOTAL</b>				<b>25</b>	<b>35</b>	

THIRD YEAR						
First Semester						
COURSE NO.	COURSE TITLE	CREDIT		UNITS	NO. OF HRS.	PRE-REQUISITE
		LEC	LB/SW			
LITR 102	Asean Literature	3	0	3	3	None
Ged 105	Readings in Philippines History	3	0	3	3	None
PM 104	Technology Research I	3	0	3	3	DT 221, DT 222
PM 105	Materials Technology Management	3	0	3	3	DT 221, DT 222
PM 106	Professional Ethics	3	0	3	3	None
DT 311	Structural Drawing	2	3	3	5	
DT 312	Construction Estimating & Planning	3	0	3	3	DT 221
DT 313	Industrial Design 1	1	3	2	4	DT 213
<b>TOTAL</b>				<b>23</b>	<b>27</b>	
THIRD YEAR						
Second Semester						
COURSE NO.	COURSE TITLE	CREDIT		UNITS	NO. OF HRS.	PRE-REQUISITE
		LEC	LB/SW			
Ged 108	Art Appreciation	3	0	3	3	None
PM 107	Technology Research II	3	0	3	3	
PM 108	Manufacturing Technology	3	0	3	3	*Regular Standing
PM 109	Total Quality Management	3	0	3	3	*Regular Standing
PM 110	Environmental Technology	3	0	3	3	*Regular Standing
PM 111	Technopreneurship	3	0	3	3	*Regular Standing
DT 321	Machine Drafting & Design	2	3	3	5	DT 222
DT 322	Architectural Modelling	1	3	2	4	DT 221, DT 311
DT 323	Industrial Design 2	1	3	2	4	DT 313
<b>TOTAL</b>				<b>25</b>	<b>31</b>	
FOURTH YEAR						
First Semester						
COURSE NO.	COURSE TITLE	CREDIT		UNITS	NO. OF HRS.	PRE-REQUISITE
		LEC	LB/SW			
OJT 1	Supervised Industrial Training 1 (540hrs)	0	10	10	540	DT 321, DT 322, DT 323
<b>TOTAL</b>				<b>10</b>	<b>540</b>	
FOURTH YEAR						
Second Semester						
COURSE NO.	COURSE TITLE	CREDIT		UNITS	NO. OF HRS.	PRE-REQUISITE
		LEC	LB/SW			
OJT 2	Supervised Industrial Training 2 (540hrs)	0	10	10	540	OJT 1
<b>TOTAL</b>				<b>10</b>	<b>540</b>	

\* Regular Standing: No deficiencies on the previous semester.

**TOTAL UNITS: 165**