

De La Salle-College of Saint Benilde

Bachelor of Science in Architecture

Program Specification

Awarding Institution	De La Salle-College of Saint Benilde
School	School of Design and Arts
Program Accreditation	PAASCU Consultancy
Name of Final Award	Bachelor of Science in Architecture (BS-ARCHI)
Program Title	Bachelor of Science in Architecture (BS-ARCHI)
Description of the Program	<p>The Bachelor of Science in Architecture program is a response to the challenge of producing architects that are competitive and relevant agents of positive change. The program is focused on a Design and Leadership agenda, which aims to train future architects who can compete with the best in the ASEAN region through excellence in design and business.</p> <p>The program engages students to contribute to nation building through competence in design and policy. They are endeavored to be trailblazers in design innovation through research in material sciences, technology, and engineering. By identifying the right problems and proposing the most excellent solutions, they are expected to become industry leaders and solution providers, responding to current and pressing social problems, both locally and globally.</p> <p>These solutions are research-based, process-driven, user-empathetic and activist-provoking that constantly challenge the status quo, as well as innovative and technologically ground breaking but at the same time inclusive, humane and culturally sensitive.</p>

Expected Program Learning Outcomes

Upon completion of the **BACHELOR OF SCIENCE IN ARCHITECTURE**, students are expected to:

- PO1. Articulate logical, critical thinking and communication skills to provide optimum Architectural solutions **through oral presentation**.
- PO2. Practice environmental responsiveness to local and global issues and concerns to develop revolutionary design industry leaders who would significantly contribute to the continues development of the build environment, by transcending standards through national and international collaboration.
- PO3. Generate new Architectural knowledge to advance the architectural discipline by means of innovative and exploratory research.

Admission Requirements

All students must pass the **Benildean Entrance Exam (BEE)**. The information regarding application, admission timetable, and application results may be viewed at **Benilde Admissions Center**. Downloadable forms and school brochures are available from this site.

Applicants applying to any degree or non-degree program offered by DLS-CSB are expected to provide a complete medical disclosure of past or present conditions that may have an effect on student learning and their intention to be a member of the Benildean community.

As an additional requirement for the program, applicants are required to submit a creative portfolio for review. Applicants will also need to undergo an interview and esquisse.

Program Overview

The Program consists of 235 units (225 academic units and 10 non-academic units) distributed as follows:

I. TECHNICAL COURSES	UNITS
A. Mathematics Courses	5
B. Basic Engineering Courses	18
C. Allied Courses	12
D. Professional Courses (Including 5 UNITS apprenticeship program)	122
E. Specialization Courses	9
II. NON-TECHNICAL COURSES	UNITS
A. CHED GE Core Courses	24
B. CHED GE Elective Courses (Filipino)	9
C. CHED Mandated Course (Life and Works of Rizal)	3
D. DLS-CSB Institutional Courses	19

III. NON-ACADEMIC (MISCELLANY) COURSES **UNITS**

- A. Physical Education Courses **8**
B. NSTP Courses **6**

Kindly enumerate courses based on classification. What is the classification of your mathematic courses? What are the CHED mandated courses? Are they the Filipino courses?

I. NON TECHNICAL **UNITS**

- A. CHED GE Core Course **36**
B. DLS-CSB Institutional Courses. **19**

Curriculum and Program Structure

The curriculum and program structure are outlined in the program checklist. The curriculum map shows the alignment between the courses in the program and the program outcomes.

Teaching and Learning Strategy, Assessment

DLS-CSB espouses and promotes learner-centered parameters. A balance of theory and practice is achieved through lecture courses combined with laboratory courses/sessions and constructions.

Various assessment strategies are used such as class discussion, assignment, individual and group plates and exercises, presentations and exhibitions, return demonstration, critical analysis, portfolio submission, final project and individual/group report.

Date of Revision

AY 2019-2020

PROGRAM CHECKLIST

Bachelor of Science in Architecture

Term 1

Course Code	Course Title	Units	Pre-requisite	Co-requisite
READHIS	Readings in Philippine History	3		
ARTAPRI	Art Appreciation	3		
PEONEPF	Physical Fitness	2		
ADESPRN	Architectural Design Principles	3		
HSTARC1	History of Architecture 1	2		
ARVCOM1	Architectural Visual Communications 1: Graphics 1	3		
CSBLIFE	CSB Student Life	*3		

Term 2

Course Code	Course Title	Units	Pre-requisite	Co-requisite
PURPCOM	Purposive Communication	3		
ARPHILO	Philosophy of Architecture	3	ADESPRN	
DI-CALC	Differential Calculus	3		
HSTARC2	History of Architecture 2	2	HSTARC1	
ARVCOM2	Architectural Visual Communications 2: Visual Techniques 1	2	ARVCOM1	
BIBCHUR	Bible and Church	3		
PETWODA	Dance Area	2		

Term 3

Course Code	Course Title	Units	Pre-requisite	Co-requisite
MATWRLD	Mathematics in the Modern World	3		
SCITECH	Science, Technology, and the Society	3		
TOARCH1	Theory of Architecture 1	3	ARPHILO	
BLDTEC1	Building Technology 1: Building Materials	3		
SOLIMEN	Solid Mensuration	2	PHYSICS	
HSTARC3	History of Architecture 3	2	HSTARC2	
ARVCOM3	Architectural Visual Communications 3: Graphics 2	3	ARVCOM2	
PETRIID	Individual/Dual Sports	2		

Term 4

Course Code	Course Title	Units	Pre-requisite	Co-requisite
ARCHINT	Architectural Interiors	2		ARCDES1
TOARCH2	Theory of Architecture 2	2	TOARCH1	ARCDES1
ARCDES1	Architectural Design 1: Introduction to Design	2	ADESPRN, ARPHILO, TOARCH1, HSTARC1, HSTARC2, HSTARC3	ARCHINT, TOARCH2, BLDTEC2, BUILDU1
BLDTEC2	Building Technology 2: Construction Drawings in Wood, Steel, and Concrete (1-storey Bldg)	3	BLDTEC1	ARCDES1
BUILDU1	Building Utilities 1: Plumbing and Sanitary Systems	3	BLDTEC1	BLDTEC2
HSTARC4	History of Architecture 4	2	HSTARC3	
ARVCOM4	Architectural Visual Communications 4: Visual Techniques 2	2	ARVCOM3	
PEFORTS	Team Sports	2		
NSTP-01	National Service Training Program-01	*3		

Term 5

Course Code	Course Title	Units	Pre-requisite	Co-requisite
UNDESELF	Understanding the Self	3		
MARFAMI	Marriage and Family Life	3		
ARCDES2	Architectural Design 2: Creative Design Fundamentals	2	ARCDES1	BLDTEC3, BUILDU2
BLDTEC3	Building Technology 3: Construction Drawings in Wood, Steel, and Concrete (2-storey Bldg)	3	BLDTEC2	ARCDES3, BUILDU2
BUILDU2	Building Utilities 2: Electrical, Electronics and Mechanical Systems	3	BUILDU1	ARCDES3, BLDTEC3
PSURVEY	Surveying	3	PHYSICS	
ARVCOM5	Architectural Visual Communications 5: Visual Techniques 3	2	ARVCOM4	
NSTP-02	National Service Training Program-02	*3	NSTP-01	

Term 6

Course Code	Course Title	Units	Pre-requisite	Co-requisite
CONWORL	The Contemporary World	3		
TROPDES	Tropical Design	2		ARCDES3
ARCDES3	Architectural Design 3: Creative Design in Architectural Interiors	3	ARCDES2	TROPDES
BUILDU3	Acoustics and Lighting Systems	3	BUILDU2	
ENGSCI1	Engineering Science 1: Statics of Rigid Bodies	3	PHYSICS	
PLANIN1	Planning 1: Site Planning and Landscape Architecture	3	ARCDES3	
ARCCAD1	Architectural CAD 1: Computer - Aided Design and Drafting for Architecture - 1	2		

Term 7

Course Code	Course Title	Units	Pre-requisite	Co-requisite
INTEFIL	Interaktibong Filipino sa Multi-disiplinaryong Larangan	3		
ARCDES4	Architectural Design 4: Space Planning 1	3	ARCDES3	BLDTEC4
BLDTEC4	Building Technology 4: Specification Writing and Quantity Surveying	3	BLDTEC3	ARCDES4
ENGSCI2	Engineering Science 2: Strength of Materials Professional Practice 1: Laws Affecting	3	ENGSCI1	
PROPRA1	the Practice of Architecture	3		
PLANIN2	Planning 2: Fundamentals of Urban Design and Community Architecture	3	PLANIN1	
ARCCAD2	Architectural CAD 2: Computer - Aided Design and Drafting for Architecture - 2/BIM	2	ARCCAD1	

Term 8

Course Code	Course Title	Units	Pre-requisite	Co-requisite
PANITIK	Panitikan at ang Kulturang Popular	3		
ARCDES5	Architectural Design 5: Space Planning 2	3	ARCDES4	BLDTEC5
BLDTEC5	Building Technology 5: Alternative Building Construction Systems	3	BLDTEC4	ARCDES5
ENGSCI3	Engineering Science 3: Theory of Structures	3	ENGSCI2	

PROPRA2	Professional Practice 2: Administering the Regular Services of the Architecture Practice	3	PROPRA1	
PLANIN3	Planning 3: Introduction to Urban and Regional Planning	3	PLANIN2	

Term 9

Course Code	Course Title	Units	Pre-requisite	Co-requisite
MASIPAG	Masining na Pagpapahayag	3		
ARCDES6	Architectural Design 6: Site Development Planning and Landscaping	4	ARCDES5	SPECZ_1
ENGSCI4	Engineering Science 4: Steel and Timber Design	3	ENGSCI3	
PROPRA3	Professional Practice 3: Global Practice for the 21st Century	3	PROPRA2	
HOUSING	Housing	2	ARCDES5, PLANIN3	
SPECZ_1	ARCHER1: Architectural Heritage Inventory and Assessment	3	ARCDES5	ARCDES6
	URBDES1: Principles in Urban Design and Planning			
	EMERGE1: Introduction to Emergent Architecture			

Term 10

Course Code	Course Title	Units	Pre-requisite	Co-requisite
ARCDES7	Architectural Design 7: Community Architecture and Urban Design	5	ARCDES6	ARSERCH, SPECZ_2
ARSERCH	Research Methods for Architecture	3	ARCDES6	ARCDES7
ENGSCI5	Engineering Science 5: Architectural Structures	3	ENGSCI4	
SPECZ_2	ARCHER2: Conservation Policies, Laws and Principles	3	SPECZ_1	ARCDES7
	URBDES2: Introduction to Sustainable Development			
	EMERGE2: Computational Tools & Analysis of Emergent Architecture			
CRITHNK	Critical Thinking	3		

Term 11

Course Code	Course Title	Units	Pre-requisite	Co-requisite
IETHICS	Ethics	3		
ARCDES8	Architectural Design 8: Design of Complex Structures	5	ARCDES7	APRNTC1, SPECZ_3
SPECZ_3	ARCHER3: Heritage Think Lab Pro	3	SPECZ_2	
	URBDES3: Urban Design Integrated Project			
	EMERGE3: Studio Applications in Emergent Architecture			
APRNTC1	OJT - Apprenticeship Program Part 1	2.5	ARCDES7	ARCDES8, SPECZ_3
ASEANST	ASEAN Studies	3		
MARFAMI	Marriage and Family Life	3		

Term 12

Course Code	Course Title	Units	Pre-requisite	Co-requisite
ARCDES9	Architectural Design 9: Thesis Research Writing	5	ARCDES8	APRNTC2
APRNTC2	OJT - Apprenticeship Program Part 2	2.5	APRNTC1, ARCDES8	
BIZARC1	Business Management and Application for Architecture 1	3	ARCDES8	
REEXSPI	Religious Experience and Spirituality	3		

Term 13

Course Code	Course Title	Units	Pre-requisite	Co-requisite
JORIZAL	The Life and Works of Rizal	3		
BIZARC2	Business Management and Application for Architecture 2	3	BIZARC1, ARCDES9	
ARCDS10	Architectural Design 10: Thesis Research Application	5	ARCDES9	
CSBGRAD	CSB Student Graduate	*3		

CURRICULUM MAP

Bachelor of Science in Architecture

I. Mathematics Courses	PO1	PO2	PO3
1 Solid Mensuration (SOLIMEN)	✓		
2 Differential and Integral Calculus (DI_CALC)	✓		
II. Basic Engineering Courses	PO1	PO2	PO3
1 Surveying (PSURVEY)	✓	✓	
2 Statics of Rigid Bodies (ENGSCI1)	✓	✓	
3 Strength of Materials (ENGSCI2)	✓	✓	
4 Theory of Structures (ENGSCI3)	✓	✓	
5 Steel and Timber Design (ENGSCI4)	✓	✓	
6 Architectural Structures (ENGSCI5)	✓	✓	
III. Allied Courses	PO1	PO2	PO3
1 Architectural Visual Communications 1 - Graphics 1 (ARVCOM1)	✓		
2 Architectural Visual Communications 2 - Visual Techniques 1 (ARVCOM2)	✓		
3 Architectural Visual Communications 3 - Graphics 2 (ARVCOM3)	✓		
4 Architectural Visual Communications 4 - Visual Techniques 2 (ARVCOM4)	✓		
5 Architectural Visual Communications 5 - Visual Techniques 3 (ARVCOM5)	✓		
IV. Professional Courses	PO1	PO2	PO3
1 Architectural Design 1 - Introduction to Design (ARCDES1)	✓	✓	
2 Architectural Design 2 - Creative Design Fundamentals (ARCDES2)	✓	✓	
3 Architectural Design 3 - Creative Design in Architectural Interiors (ARCDES3)	✓	✓	
4 Architectural Design 4 - Space Planning 1 (ARCDES4)	✓	✓	✓
5 Architectural Design 5 - Space Planning 2 (ARCDES5)	✓	✓	
6 Architectural Design 6 - Site Development Planning and Landscaping (ARCDES6)	✓	✓	
7 Architectural Design 7 - Community Architecture and Urban Design (ARCDES7)	✓	✓	
8 Architectural Design 8 - Design of Complex Structures (ARCDES8)	✓	✓	✓
9 Architectural Design 9 - Thesis Research Writing (ARCDES9)	✓	✓	✓
10 Architectural Design 10 - Thesis Research Application (ARCDES10)	✓	✓	✓
11 Philosophy of Architecture (ARPHILO)	✓		✓
12 Theory of Architecture 1 (TOARCH1)	✓		✓
13 Theory of Architecture 2 (TOARCH2)	✓		✓
14 Architectural Interiors (ARCHINT)	✓		

15	Building Technology 1 - Building Materials (BLDTEC1)	✓	✓	
16	Building Technology 2 - Construction Drawings in Wood, Steel, and Concrete (1-storey Bldg) (BLDTEC2)	✓	✓	
17	Building Technology 3 - Construction Drawings in Wood, Steel, and Concrete (2-storey Bldg) (BLDTEC3)	✓	✓	
18	Building Technology 4 - Specification Writing and Quantity Surveying (BLDTEC4)	✓	✓	
19	Building Technology 5 - Alternative Building Construction Systems (BLDTEC5)	✓	✓	
20	Building Utilities 1 - Plumbing and Sanitary Systems (BUILDU1)	✓	✓	
21	Building Utilities 2 - Electrical, Electronics and Mechanical Systems (BUILDU2)	✓	✓	
22	Building Utilities 3 - Acoustics and Lighting Systems (BUILDU3)	✓	✓	
23	History of Architecture 1 (HSTARC1)	✓		
24	History of Architecture 2 (HSTARC2)	✓		
25	History of Architecture 3 (HSTARC3)	✓		
26	History of Architecture 4 (HSTARC4)	✓		
27	Professional Practice 1 - Laws Affecting the Practice of Architecture (PROPRA1)	✓	✓	
28	Professional Practice 2 - Administering the Regular Services of the Architecture Practice (PROPRA2)	✓	✓	
29	Professional Practice 3 - Global Practice for the 21st Century (PROPRA3)	✓	✓	
30	Planning 1 - Site Planning and Landscape Architecture (PLANIN1)	✓	✓	
31	Planning 2 - Fundamentals of Urban Design and Community Architecture (PLANIN2)	✓	✓	
32	Planning 3 - Introduction to Urban & Regional Planning (PLANIN3)	✓	✓	
33	Computer-Aided Design and Drafting for Architecture - 1 (ARCCAD1)	✓		
34	Computer-Aided Design and Drafting for Architecture - 2/BIM (ARCCAD2)	✓		
35	Research Methods for Architecture (ARSERCH)	✓	✓	✓
36	Tropical Design (TROPDES)	✓	✓	
37	Housing (HOUSING)	✓	✓	
38	Business Management and Application for Architecture 1 (BIZARC1)	✓	✓	
39	Business Management and Application for Architecture 2 (BIZARC2)	✓	✓	
40	OJT - Apprenticeship Program Part 1 (APRNTC1)	✓	✓	
41	OJT - Apprenticeship Program Part 2 (APRNTC2)	✓	✓	
42	Architectural Design Principles (ADESPRN)	✓		

V.	Specialization Courses	PO1	PO2	PO3
1	SPECZ_1 - Architectural Heritage Inventory and Assessment (ARCHER1)	✓	✓	
2	SPECZ_1 - Principles in Urban Design and Planning (URBDES1)	✓	✓	
3	SPECZ_1 - Introduction to Emergent Architecture (EMERGE1)	✓	✓	
4	SPECZ_2 - Conservation Policies, Laws and Principles (ARCHER2)	✓	✓	
5	SPECZ_2 - Introduction to Sustainable Development (URBDES2)	✓	✓	
6	SPECZ_2 - Computational Tools & Analysis of Emergent Architecture (EMERGE2)	✓	✓	
7	SPECZ_3 - Heritage Think Lab Pro (ARCHER3)	✓	✓	✓
8	SPECZ_3 - Urban Design Integrated Project (URBDES3)	✓	✓	✓
9	SPECZ_3 - Studio Application in Emergent Architecture (EMERGE3)	✓	✓	✓