



University of Science and Technology of Southern Philippines
College of Information Technology and Computing
 Department of Information Technology and Computing

BACHELOR OF SCIENCE IN ARCHITECTURE
 EFFECTIVE S.Y. 2018-2019

| FIRST YEAR | | | | | | | | |
|-----------------------|-----|---|---------------------|------------|--------------|--------------|-----------------------|----------------------|
| <i>First Semester</i> | | | | | | | | |
| Course Code | | Description | No. of Hours | | | Units | Pre-requisites | Co-requisites |
| | | | Lec | Lab | Total | | | |
| Arch | 111 | Architectural Design 1 (Introduction to Design) | 1 | 3 | 4 | 2 | None | None |
| Arch | 112 | Graphics 1 (Mechanical Drawing) | 1 | 6 | 7 | 3 | None | None |
| Arch | 113 | Visual Technique 1 (Monochromatic and Freehand Drawing) | 1 | 3 | 4 | 2 | None | None |
| Arch | 114 | History of Architecture 1 | 2 | 0 | 2 | 2 | None | None |
| Arch | 115 | Theory of Architecture 1 | 1 | 3 | 4 | 2 | None | None |
| Math | 101 | Mathematics of the Modern World | 3 | 0 | 3 | 3 | None | None |
| SS | 103 | The Contemporary World | 3 | 0 | 3 | 3 | None | None |
| ENG | 102 | Art Appreciation | 3 | 0 | 3 | 3 | None | None |
| PE | 101 | Physical Education 1 | 2 | 0 | 2 | 2 | None | None |
| NSTP | 101 | ROTC/CWTS/LTS 1 | 3 | 0 | 3 | 3 | None | None |
| Total | | | 20 | 15 | 35 | 25 | | |

| FIRST YEAR | | | | | | | | |
|------------------------|-----|--|---------------------|------------|--------------|--------------|-----------------------|----------------------|
| <i>Second Semester</i> | | | | | | | | |
| Course Code | | Description | No. of Hours | | | Units | Pre-requisites | Co-requisites |
| | | | Lec | Lab | Total | | | |
| Arch | 122 | Architectural Design 2 (Creative Design Fundamentals) | 1 | 3 | 4 | 2 | Arch 111 | None |
| Arch | 123 | Graphics 2 (Perspective, Shades & Shadows) | 1 | 6 | 7 | 3 | Arch 112 | None |
| Arch | 124 | Visual Technique 2 (Color Rendering & Still life) | 1 | 3 | 4 | 2 | Arch 113 | None |
| Arch | 125 | History of Architecture 2 | 2 | 0 | 2 | 2 | Arch 114 | None |
| Arch | 126 | Theory of Architecture 2 | 2 | 0 | 2 | 2 | Arch 115 | None |
| Arch | 121 | Building Technology 1 (Materials of Building Construction) | 3 | 0 | 3 | 3 | None | None |
| Math | 106 | Solid Mensuration | 3 | 0 | 3 | 3 | Math 101 | None |
| SS | 104 | Ethics | 3 | 0 | 3 | 3 | None | None |
| PE | 102 | Physical Education 2 | 2 | 0 | 2 | 2 | PE 101 | None |
| NSTP | 201 | ROTC/CWTS/LTS 1 | 3 | 0 | 3 | 3 | NSTP 101 | None |
| Total | | | 20 | 15 | 33 | 25 | | |



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| SECOND YEAR | | | | | | | | |
|-----------------------|-----|---|---------------------|------------|--------------|--------------|-------------------------------|----------------------|
| First Semester | | | | | | | | |
| Course Code | | Description | No. of Hours | | | Units | Pre-requisites | Co-requisites |
| | | | Lec | Lab | Total | | | |
| Arch | 213 | Architectural Design 3 (Creative Design Fundamentals) | 1 | 6 | 7 | 3 | Arch 122 | None |
| Arch | 215 | Visual Technique 3 (Multi-Media) | 1 | 3 | 4 | 2 | Arch 124 | None |
| Arch | 216 | History of Architecture 3 | 2 | 0 | 2 | 2 | Arch 125 | None |
| Arch | 212 | Building Technology 2 (Wood & Masonry Construction) | 2 | 3 | 5 | 3 | Arch 121 | None |
| Math | 112 | Differential & Integral Calculus | 3 | 0 | 3 | 3 | Math 106 | None |
| CE | 211 | Plane Surveying | 2 | 3 | 5 | 3 | 2 nd Year Standing | None |
| SS | 102 | Readings in Philippine History | 3 | 0 | 3 | 3 | None | None |
| Fil | 101 | Panitikan | 3 | 0 | 3 | 3 | None | None |
| PE | 103 | Physical Education 3 | 2 | 0 | 2 | 2 | PE 101 | None |
| Total | | | 19 | 15 | 34 | 24 | | |

| SECOND YEAR | | | | | | | | |
|------------------------|-----|---|---------------------|------------|--------------|--------------|-------------------------------|----------------------|
| Second Semester | | | | | | | | |
| Course Code | | Description | No. of Hours | | | Units | Pre-requisites | Co-requisites |
| | | | Lec | Lab | Total | | | |
| Arch | 224 | Architectural Design 4 (Space Planning 1) | 1 | 6 | 7 | 3 | Arch 213 | None |
| Arch | 227 | History of Architecture 4 | 2 | 0 | 2 | 2 | Arch 216 | None |
| Arch | 223 | Building Technology 3 (Concrete and Steel Construction) | 2 | 3 | 5 | 3 | Arch 212 | None |
| Arch | 221 | Building Utilities 1 (Plumbing and Sanitary System) | 2 | 3 | 5 | 3 | 2 nd Year Standing | None |
| CADD | 311 | Basic CADD | 1 | 3 | 4 | 2 | Arch 122 & Arch 123 | None |
| ES | 202 | Statics of Rigid Bodies | 3 | 0 | 3 | 3 | Math 112 | None |
| ENG | 101 | Purposive Communication | 3 | 0 | 3 | 3 | None | None |
| SS | 101 | Understanding the self | 3 | 0 | 3 | 3 | None | None |
| PE | 104 | Physical Education 4 | 2 | 0 | 2 | 2 | PE 101 | None |
| Total | | | 19 | 15 | 34 | 24 | | |



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| THIRD YEAR | | | | | | | | |
|-----------------------|-----|--|---------------------|------------|--------------|--------------|-----------------------|----------------------|
| First Semester | | | | | | | | |
| Course Code | | Description | No. of Hours | | | Units | Pre-requisites | Co-requisites |
| | | | Lec | Lab | Total | | | |
| Arch | 315 | Architectural Design 5 (Space Planning 2) | 1 | 9 | 10 | 4 | Arch 224 | None |
| Arch | 314 | Building Technology 4 (Estimate & Adv. Bldg. Const. Methods) | 2 | 3 | 5 | 3 | Arch 223 | None |
| Arch | 312 | Building Utilities 2 (Mechanical, Electrical and Electronic Systems) | 2 | 3 | 5 | 3 | Arch 221 | None |
| Arch | 311 | Planning 1 (Site Planning & Landscape) | 3 | 0 | 3 | 3 | Arch 122, CE 221 | None |
| Arch | 313 | Professional Practice 1 (Building Laws) | 3 | 0 | 3 | 3 | 3 rd Year | None |
| CADD | 322 | Advanced CADD/BIM | 1 | 6 | 7 | 3 | CADD 311 | None |
| ES | 206 | Fundamentals of Deformable Bodies (Strength of Materials) | 3 | 0 | 3 | 3 | ES 202 | None |
| Total | | | 15 | 23 | 33 | 23 | | |

| THIRD YEAR | | | | | | | | |
|------------------------|-----|--|---------------------|------------|--------------|--------------|-----------------------|----------------------|
| Second Semester | | | | | | | | |
| Course Code | | Description | No. of Hours | | | Units | Pre-requisites | Co-requisites |
| | | | Lec | Lab | Total | | | |
| Arch | 326 | Architectural Design 6 (Site Development Planning & Landscaping) | 1 | 9 | 10 | 4 | Arch 315 | None |
| Arch | 325 | Building Technology 5 (Alternative Bldg. Construction Systems) | 2 | 3 | 5 | 3 | Arch 314 | None |
| Arch | 323 | Building Utilities 3 (Acoustics & Lighting Systems) | 2 | 3 | 5 | 3 | Arch 312 | None |
| Arch | 324 | Professional Practice 2 (Regular Services of Architect) | 3 | 0 | 3 | 3 | Arch 313 | None |
| Arch | 322 | Planning 2 (Fundamentals of Urban and Community Architecture) | 3 | 0 | 3 | 3 | Arch 311 | None |
| Arch | 320 | Interior Design (Architectural Interiors) | 1 | 3 | 4 | 2 | Arch 213 | None |
| CE | 322 | Structural Theory 1 (Theory of Structures) | 3 | 0 | 3 | 3 | ES 206 | None |
| Total | | | 17 | 12 | 33 | 21 | | |



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| FOURTH YEAR | | | | | | | | |
|-----------------------|-----|--|---------------------|------------|--------------|--------------|-------------------------------|----------------------|
| First Semester | | | | | | | | |
| Course Code | | Description | No. of Hours | | | Units | Pre-requisites | Co-requisites |
| | | | Lec | Lab | Total | | | |
| Arch | 417 | Architectural Design 7 (Community Arch & Urban Design) | 1 | 12 | 13 | 5 | Arch 326 | None |
| Arch | 415 | Professional Practice 3 (Global Practice for the 21 st Century) | 3 | 0 | 3 | 3 | Arch 324 | None |
| Arch | 413 | Plan 3: Introduction to Urban & Regional Planning | 3 | 0 | 3 | 3 | Arch 322 | None |
| CE | 413 | Steel and Timber Design | 3 | 0 | 3 | 3 | ES 206 | |
| Arch | 400 | Climate Design (Tropical Design) | 2 | 0 | 2 | 2 | None | None |
| Arch | 410 | Tours & Seminars | 0 | 3 | 3 | 1 | 4 th Year Standing | None |
| Arch | 411 | Specialization 1 (Construction Management) | 3 | 0 | 3 | 3 | Arch 325 | None |
| Fil | 102 | Retorika | 3 | 0 | 3 | 3 | None | None |
| Total | | | 17 | 15 | 33 | 23 | | |

| FOURTH YEAR | | | | | | | | |
|------------------------|-----|---|---------------------|------------|--------------|--------------|-------------------------------|----------------------|
| Second Semester | | | | | | | | |
| Course Code | | Description | No. of Hours | | | Units | Pre-requisites | Co-requisites |
| | | | Lec | Lab | Total | | | |
| Arch | 428 | Architectural Design 8 (Design OF Complex Structures) | 1 | 12 | 13 | 5 | Arch 417 | None |
| Arch | 424 | Socio-Cultural & Institutional aspect of Housing | 3 | 0 | 3 | 3 | Arch 413 | None |
| CE | 424 | Reinforced Concrete Design (Architectural Structures) | 3 | 3 | 6 | 4 | CE 413 | None |
| Arch | 421 | Research Methods for Architecture | 3 | 0 | 3 | 3 | 4 th Year Standing | None |
| ES | 302 | Techno-Preneurship | 2 | 3 | 5 | 3 | SS 60 | None |
| Arch | 422 | Specialization 2 (Community Planning Development) | 3 | 0 | 3 | 3 | Arch & Arch | None |
| Total | | | 15 | 18 | 33 | 21 | | |



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| FIFTH YEAR | | | | | | | | |
|-----------------------|-----|--|--------------|-----------|-----------|-----------|---------------------|---------------|
| <i>First Semester</i> | | | | | | | | |
| Course Code | | Description | No. of Hours | | | Units | Pre-requisites | Co-requisites |
| | | | Lec | Lab | Total | | | |
| Arch | 519 | Architectural Design 9 (Thesis Research Writing) | 1 | 12 | 13 | 5 | Arch 428 & Arch 421 | None |
| Arch | 511 | Business Management & Application for Architecture 1 | 3 | 0 | 3 | 3 | Arch 415 | None |
| Arch | 513 | Specialization 3 (Urban Design) | 1 | 6 | 7 | 3 | Arch 413 & Arch 417 | None |
| ES | 10 | Science, Technology & Society | 3 | 0 | 3 | 3 | None | None |
| SS | 105 | Life and Works of Rizal | 3 | 0 | 3 | 3 | None | None |
| Total | | | 11 | 18 | 29 | 17 | | |

| FIFTH YEAR | | | | | | | | |
|------------------------|-----|---|--------------|-----------|-----------|-------|----------------|---------------|
| <i>Second Semester</i> | | | | | | | | |
| Course Code | | Description | No. of Hours | | | Units | Pre-requisites | Co-requisites |
| | | | Lec | Lab | Total | | | |
| Arch | 520 | Architectural Design 10 (Thesis Research Application) | 1 | 12 | 13 | | Arch 519 | None |
| Arch | 522 | Business Management & Application for Architecture 2 | 3 | 0 | 3 | | Arch 511 | None |
| SS | 100 | Foreign Language | 3 | 0 | 3 | | None | None |
| Total | | | 7 | 12 | 19 | | | |