

## Undergraduate Course in Buildings Construction Technology

FATEC: Tatuapé

| 1st. Term                                                     | 2nd. Term                                                     | 3rd. Term                                     | 4th. Term                                     | 5th. Term                                                            | 6th Term                                       |
|---------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------|------------------------------------------------|
| Technical Design<br>Applied to Civil<br>Construction I<br>(4) | Technical Design<br>Applied to Civil<br>ConstructionII<br>(4) | Architectonic Design<br>and Structures<br>(4) | Structures I<br>(4)                           | Structures II<br>(4)                                                 | Special Topics on<br>Buildings<br>(4)          |
| Chemistry Applied to<br>Civil Construction<br>(4)             | Topography<br>(4)                                             | Civil Construction<br>Materials I<br>(4)      | Civil Construction<br>Materials II<br>(4)     | Civil Construction<br>Planning I<br>(4)                              | Civil Construction<br>Planning II<br>(4)       |
| Physics Applied to<br>Civil Construction<br>(4)               | Fund. to Applied<br>Georeferencing (2)                        | Soil Mechanics<br>and Foundations<br>(4)      | Building Construction<br>Technology I<br>(4)  | Building Construction<br>Technology II<br>(4)                        | Building Construction<br>Technology III<br>(4) |
|                                                               | General Mechanics<br>(4)                                      |                                               | Building Installations<br>(electrical)<br>(4) | Building Installations<br>(hydraulic and health<br>standards)<br>(4) | Building Installations<br>(complements)<br>(4) |
| Analytical Geometry<br>and Linear Algebra<br>(4)              | Applied Electricity<br>(4)                                    | Applied<br>Electrotechnics<br>(4)             | Building Installations<br>(electrical)<br>(4) | Building Installations<br>(hydraulic and health<br>standards)<br>(4) | Building Installations<br>(complements)<br>(4) |
| Calculus I<br>(4)                                             | Calculus II<br>(4)                                            | Strength of Materials<br>I<br>(4)             | Executive Project I<br>(2)                    | Executive Project II<br>(4)                                          | Integrative<br>Project<br>(4)                  |
| Portuguese Language<br>(2)                                    |                                                               | Basic Statistics<br>(2)                       | Strength of Materials<br>II<br>(4)            |                                                                      |                                                |
| English Language I<br>(2)                                     | English Language II<br>(2)                                    | English Language III<br>(2)                   | English Language IV<br>(2)                    | English Language V<br>(2)                                            | English Language VI<br>(2)                     |
| Classes:<br>Weekly 24<br>Term 480                             | Classes:<br>Weekly 24<br>Term 480                             | Classes:<br>Weekly 24<br>Term 480             | Classes:<br>Weekly 24<br>Term 480             | Classes:<br>Weekly 24<br>Term 480                                    | Classes:<br>Weekly 24<br>Term 480              |

Curricular Internship: 240 hours, as from the 4th. Term - Undergraduate Major Project: 160 hours as from the 5th. Term

### DISTRIBUIÇÃO DAS AULAS POR EIXO FORMATIVO

| Disciplinas BÁSICAS                       | Aulas      | %           | Disciplinas PROFISSIONAIS                     | Aulas       | %           |
|-------------------------------------------|------------|-------------|-----------------------------------------------|-------------|-------------|
| Matemática e Estatística                  | 280        | 9,7         |                                               |             |             |
| Transversal                               | 40         | 1,4         | Transversais e Multidisciplinares             | 120         | 4,2         |
| Comunicação em Língua Portuguesa          | 40         | 1,4         | Desenho                                       | 240         | 8,3         |
| Comunicação em Língua estrangeira: Inglês | 240        | 8,3         | Tecnologias de Construção e Instalação        | 240         | 8,3         |
| Química                                   | 80         | 2,8         | Tecnologias de Planejamento e Construção      | 1120        | 38,9        |
| Física                                    | 240        | 8,3         | Física Aplicada (Eletrotécnica e Resistência) | 240         | 8,3         |
| <b>TOTAL</b>                              | <b>920</b> | <b>31,9</b> | <b>TOTAL</b>                                  | <b>1960</b> | <b>68,1</b> |

### RESUMO DE CARGA HORÁRIA:

**2880 aulas → 2400 horas** (atende ao CNCST, ao CEE-SP e às diretrizes do CEETEPS) +  
240 horas de ESTÁGIO CURRICULAR + 160 horas do Trabalho de Graduação = **2800 Horas**