

土木工程专业国际学生本科指导性培养计划

表一

| 课程类别 | 课程性质 | 课程编号 | 课程名称 | 总学分 | 总学时 (学周) | 理论授课学时 | 实践教学 | | | | 各 学 期 学 时 (学周) | | | | | | | | 考核方式 |
|-----------|-----------|-----------|-------------|------|-------------|--|------|------|------|------|----------------|-----|-----|----|---|---|---|---|------|
| | | | | | | | 实验学时 | 上机学时 | 实践学时 | 实践学周 | 一 | 二 | 三 | 四 | 五 | 六 | 七 | 八 | |
| 通识与公共基础课程 | 必修课 | 112306-8 | 汉语1-3 | 12.0 | 196 | 196 | | | | | 64 | 64 | 64 | | | | | | 闭卷 |
| | | 112309-10 | 中国概况1-2 | 4.0 | 64 | 64 | | | | | 32 | 32 | | | | | | | 闭卷 |
| | | 113101-4 | 体育1-4 | 4.0 | 144 | 120 | | | 24 | | 36 | 36 | 36 | 36 | | | | | 综合测评 |
| | | 109133-4 | 高等数学B1-2 | 11.0 | 176 | 176 | | | | | 80 | 96 | | | | | | | 闭卷 |
| | | 109115 | 线性代数 | 2.0 | 32 | 32 | | | | | | 32 | | | | | | | 闭卷 |
| | | 109102 | 概率与数理统计 | 3.0 | 48 | 48 | | | | | | | 48 | | | | | | 闭卷 |
| | | 109201 | 大学物理A | 6.0 | 96 | 96 | | | | | | | 96 | | | | | | 闭卷 |
| | | 203104 | 工程化学 | 2.5 | 40 | 32 | 8 | | | | | 40 | | | | | | | 闭卷 |
| | | 109208 | 大学物理实验 | 1.5 | 36 | | 36 | | | | | | | 36 | | | | | 综合测评 |
| | | 116327 | 计算机与C程序设计基础 | 2.0 | 32 | 24 | | 8 | | | 32 | | | | | | | | 闭卷 |
| | | 116328 | C程序设计 | 3.0 | 48 | 28 | | 20 | | | | 48 | | | | | | | 闭卷 |
| | | 免修课程 | | | 14.0 | 军训、军事理论、思想道德修养与法律基础、中国近现代史纲要、马克思主义基本原理、毛泽东思想和中国特色社会主义理论体系概论、形势与政策。 | | | | | | | | | | | | | |
| | 小 计 | | | 51.0 | 912 | 816 | 44 | 28 | 24 | 0 | 244 | 348 | 244 | 72 | | | | | |
| 选修课 | 见公共选修课一览表 | | | 8.0 | 160 | 选修《跨文化交流与国际视野》《西方文化概论》《中国文化概论》和其他5门跨学科门类课程。 | | | | | | | | | | | | | |

土木工程专业国际学生本科指导性培养计划

表二

| 课程类别 | 课程性质 | 课程编号 | 课程名称 | 总学分 | 总学时(学周) | 理论授课学时 | 实践教学 | | | | 各 学 期 学 时 (学周) | | | | | | | | 考核方式 |
|--------|------|----------|-------------|------|---------|--------|------|------|------|------|----------------|---|--------|--------|--------|---|----|---|------|
| | | | | | | | 实验学时 | 上机学时 | 实践学时 | 实践学周 | 一 | 二 | 三 | 四 | 五 | 六 | 七 | 八 | |
| 学科基础课程 | 必修课 | 206126 | 土木工程制图 | 4.5 | 72 | 64 | | | 8 | | 72 | | | | | | | | 闭卷 |
| | | 206138 | 土木工程导论 | 1.0 | 16 | 16 | | | | | 16 | | | | | | | | 综合测评 |
| | | 206106 | 工程测量A | 3.0 | 48 | 36 | | | 12 | | | | | 48 | | | | | 闭卷 |
| | | 206137 | 土木工程材料A | 3.5 | 56 | 40 | 16 | | | | | | | 56 | | | | | 闭卷 |
| | | 209307 | 理论力学 | 4.5 | 72 | 72 | | | | | | | 72 | | | | | | 闭卷 |
| | | 209328 | 材料力学 | 4.5 | 72 | 64 | 8 | | | | | | | 72 | | | | | 闭卷 |
| | | 206401-2 | 结构力学1-2 | 5.0 | 80 | 80 | | | | | | | | 32 | 48 | | | | 闭卷 |
| | | 206108 | 工程地质学 | 2.0 | 32 | 32 | | | | | | | 32 | | | | | | 闭卷 |
| | | 204414 | 水力学B | 2.0 | 32 | 28 | 4 | | | | | | | 32 | | | | | 闭卷 |
| | | 206403 | 土力学 | 3.0 | 48 | 40 | 8 | | | | | | | | 48 | | | | 闭卷 |
| | | 206320 | 钢结构设计原理 | 3.0 | 48 | 48 | | | | | | | | | 48 | | | | 闭卷 |
| | | 206188 | 混凝土结构设计原理 | 4.5 | 72 | 72 | | | | | | | | | 72 | | | | 闭卷 |
| | | 206221 | 建筑经济与工程项目管理 | 2.5 | 40 | 40 | | | | | | | | | | | 40 | | 综合测评 |
| | | 206225 | 建设法规B | 1.5 | 24 | 24 | | | | | | | | | 24 | | | | 综合测评 |
| | | 006113 | 工程测量实习 | 2.0 | 2 | | | | | 2 | | | | 2 | | | | | 综合测评 |
| | | 006114 | 工程地质实习 | 1.0 | 1 | | | | | 1 | | | 1周 | | | | | | 综合测评 |
| | | 小 计 | | 47.5 | 712+3周 | 656 | 36 | | 20 | 3 | 88 | | 104+1周 | 240+2周 | 240+1周 | | 40 | | |
| | | 306140 | 房屋建筑学A | 3.0 | 48 | 48 | | | | | | | | | 48 | | | | 闭卷 |

土木工程专业国际学生本科指导性培养计划

表二

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土木工程专业国际学生本科指导性培养计划

表二

| 课程类别 | 课程性质 | 课程编号 | 课程名称 | 总学分 | 总学时 (学周) | 理论 授课学时 | 实践教学 | | | | 各 学 期 学 时（学周） | | | | | | | | 考核方式 | |
|--------|------|--------|-------------|------|-------------|------------|------|------|------|------|---------------|---|---|---|---|-------|--------|--------|------|------|
| | | | | | | | 实验学时 | 上机学时 | 实践学时 | 实践学周 | 一 | 二 | 三 | 四 | 五 | 六 | 七 | 八 | | |
| 必修课程 | | 006408 | 认识实习 | 1.0 | 1 | | | | | 1 | | | | | | 1周 | | | | 综合测评 |
| | | 006409 | 生产实习 | 2.0 | 2 | | | | | 2 | | | | | | 2周 | | | | 综合测评 |
| | | 006125 | 毕业设计 | 15.0 | 15 | | | | | 15 | | | | | | | | 15周 | | 综合测评 |
| | | 小 计 | | | 49.5 | 344+30周 | 288 | 32 | 24 | | 29 | | | | | 48+3周 | 104+8周 | 192+3周 | 15周 | |
| | 选修课 | 206127 | 结构动力学 | 1.5 | 24 | 24 | | | | | | | | | | | 24 | | | 综合测评 |
| | | 306430 | 结构优化设计 | 1.5 | 24 | 24 | | | | | | | | | | | | 24 | | 综合测评 |
| | | 306431 | 组合结构设计原理 | 1.5 | 24 | 24 | | | | | | | | | | | | 24 | | 综合测评 |
| | | 306432 | 工程弹性力学 | 2.0 | 32 | 32 | | | | | | | | | | | 32 | | | 综合测评 |
| | | 306433 | 大跨度空间结构 | 1.5 | 24 | 24 | | | | | | | | | | | 24 | | | 综合测评 |
| | | 306179 | 土木工程专业英语 | 1.5 | 24 | 24 | | | | | | | | | | | | 24 | | 综合测评 |
| | | 306185 | 特种结构 | 1.5 | 24 | 24 | | | | | | | | | | | | 24 | | 综合测评 |
| | | 306451 | 工程质量事故分析与处理 | 1.5 | 24 | 24 | | | | | | | | | | | | 24 | | 综合测评 |
| | | 小 计 | | | 12.5 | 200 | 200 | | | | | | | | | | 80 | 120 | | |
| 至少选6学分 | | | | | | | | | | | | | | | | | | | | |

土木工程专业国际学生本科指导性培养计划

表三

| 课程类别 | 课程性质 | 课程编号 | 课程名称 | 总学分 | 总学时 | 理论授课学时 | 实践教学 | | | | 各 学 期 学 时 | | | | | | | | 考核方式 | | | | | |
|--------|------|--------|-----------|-----|-----|--------|------|------|------|------|---|---|----|---|---|---|---|---|------|--|--|--|--|------|
| | | | | | | | 实验学时 | 上机学时 | 实践学时 | 实践学周 | 一 | 二 | 三 | 四 | 五 | 六 | 七 | 八 | | | | | | |
| 创新创业教育 | 必修课 | Y10010 | 创新创业基础 | 1.0 | 32 | 20 | | | 12 | | | | 32 | | | | | | 综合测评 | | | | | |
| | 选修课 | | 创新课程 | 1.0 | | | | | | | 至少选修 3.0 学分。 学生可在第3-7学期选修科研创新训练 I - V 五个阶段的部分训练。 | | | | | | | | 综合测评 | | | | | |
| | | | 开放实验 | 1.0 | | | | | | | | | | | | | | | | | | | | 综合测评 |
| | | | 科研创新训练 I | 0.5 | | | | | | | | | | | | | | | | | | | | 综合测评 |
| | | | 科研创新训练 II | 0.5 | | | | | | | | | | | | | | | | | | | | 综合测评 |
| | | | 科研创新训练III | 0.5 | | | | | | | | | | | | | | | | | | | | 综合测评 |
| | | | 科研创新训练IV | 0.5 | | | | | | | | | | | | | | | | | | | | 综合测评 |
| | | | 科研创新训练 V | 0.5 | | | | | | | | | | | | | | | | | | | | 综合测评 |
| | | | 创新创业项目 | 2.0 | | | | | | | | | | | | | | | | | | | | |
| | 第二课堂 | | | 2.0 | | | | | | | 至少获得 2.0 学分，不占总学分 | | | | | | | | | | | | | |

Courses and Teaching Plan for Undergraduate Foreign Students majoring in *Civil Engineering*

Table 1

| Course Category | Course type | Course code | Course name | Course credits | Hours (Weeks) | Theoretical teaching hours | Experiment & Internship | | | | Semester hours(weeks) | | | | | | | | Assessment method |
|----------------------------|-------------|---|---|----------------|---------------|--|--|----------------------|----------------------|----------------------|-----------------------|-----|-----|----|---|---|---|---|--------------------------|
| | | | | | | | Experimental hours | Computer study hours | Field practice hours | Field practice weeks | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| General and public courses | Computers | 112306-8 | Chinese Language 1-3 | 12.0 | 196 | 196 | | | | | 64 | 64 | 64 | | | | | | Test |
| | | 112309-10 | A Survey of China 1-2 | 4.0 | 64 | 64 | | | | | 32 | 32 | | | | | | | Test |
| | | 113101-4 | Physical Education 1-4 | 4.0 | 144 | 120 | | | 24 | | 36 | 36 | 36 | 36 | | | | | Comprehensive assessment |
| | | 109133-4 | Advanced Mathematics B1-2 | 11.0 | 176 | 176 | | | | | 80 | 96 | | | | | | | Test |
| | | 109115 | linear Algebra | 2.0 | 32 | 32 | | | | | | 32 | | | | | | | Test |
| | | 109102 | Probability and Mathematical Statistics | 3.0 | 48 | 48 | | | | | | | 48 | | | | | | Test |
| | | 109201 | College PhysicsA | 6.0 | 96 | 96 | | | | | | | 96 | | | | | | Test |
| | | 203104 | Engineering Chemistry | 2.5 | 40 | 32 | 8 | | | | | | 40 | | | | | | Test |
| | | 109208 | College Physics Experiment | 1.5 | 36 | | 36 | | | | | | | 36 | | | | | Comprehensive assessment |
| | | 116327 | Computer& C Programming basics | 2.0 | 32 | 24 | 8 | | | | | 32 | | | | | | | Test |
| | | 116328 | C Programming Design | 3.0 | 48 | 28 | | 20 | | | | | 48 | | | | | | Test |
| | | Exemption | | | 14.0 | Military Training, Military theory, Ideological and moral cultivation and legal basis, The outline of modern Chinese history, The fundamental tenets of Marxism, An introduction to Mao Zedong thought and the theoretical system of socialism with Chinese characteristics, Situation and Policy. | | | | | | | | | | | | | |
| | Sub-total | | | 51.0 | 912 | 816 | 44 | 28 | 24 | | 245 | 350 | 247 | 76 | | | | | |
| | Optional | Select from the list of public optional courses | | | 8.0 | 160 | Select <Cross-cultural Communication and International Vision> <An Introduction to Western Culture> <An Introduction to Chinese Culture> and other 5 interdisciplinary courses | | | | | | | | | | | | |

Courses and Teaching Plan for Undergraduate Foreign Students majoring in *Civil Engineering*

Table 2

| Course Category | Course type | Course code | Course name | Course credits | Hours (Weeks) | Theoretical teaching hours | Experiment & Internship | | | | Semester hours(weeks) | | | | | | | | Assessment method |
|--------------------------|---------------|-------------|---|----------------|---------------|----------------------------|-------------------------|----------------------|----------------------|----------------------|-----------------------|--------|------------|-------------|------------|---|----|---|--------------------------|
| | | | | | | | Experimental hours | Computer study hours | Field practice hours | Field practice weeks | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| Discipline Basic Courses | Computational | 206126 | Civil Engineering Drawing | 4.5 | 72 | 64 | | | 8 | | 72 | | | | | | | | Test |
| | | 206138 | Introduction to Civil Engineering | 1.0 | 16 | 16 | | | | | 16 | | | | | | | | Comprehensive assessment |
| | | 206106 | Engineering Surveying A | 3.0 | 48 | 36 | | | 12 | | | | | 48 | | | | | Test |
| | | 206137 | Civil Engineering Material A | 3.5 | 56 | 40 | 16 | | | | | | | 56 | | | | | Test |
| | | 209307 | Theoretical Mechanics | 4.5 | 72 | 72 | | | | | | | 72 | | | | | | Test |
| | | 209328 | Material Mechanics | 4.5 | 72 | 64 | 8 | | | | | | | 72 | | | | | Test |
| | | 206401-2 | Structural Mechanics 1-2 | 5.0 | 80 | 80 | | | | | | | | 32 | 48 | | | | Test |
| | | 206108 | Engineering Geology Exercise | 2.0 | 32 | 32 | | | | | | | 32 | | | | | | Test |
| | | 204414 | Hydraulics B | 2.0 | 32 | 28 | 4 | | | | | | | 32 | | | | | Test |
| | | 206403 | Soil Mechanics | 3.0 | 48 | 40 | 8 | | | | | | | | 48 | | | | Test |
| | | 206320 | Design Principle of Steel Structure | 3.0 | 48 | 48 | | | | | | | | | 48 | | | | Test |
| | | 206188 | Design Principle of Concrete Structure | 4.5 | 72 | 72 | | | | | | | | | 72 | | | | Test |
| | | 206221 | Construction Economics & Project Management | 2.5 | 40 | 40 | | | | | | | | | | | 40 | | Comprehensive assessment |
| | | 206225 | Construction Laws and Regulations B | 1.5 | 24 | 24 | | | | | | | | | 24 | | | | Comprehensive assessment |
| | | 006113 | Engineering Surveying Exercise | 2.0 | 2 | | | | | 2 | | | | 2 | | | | | Comprehensive assessment |
| | | 006114 | Engineering Geology Exercise | 1.0 | 1 | | | | | 1 | | 1-week | | | | | | | Comprehensive assessment |
| | | Sub-total | | 47.5 | 712+3 weeks | 656 | 36 | | 20 | 3 | 88 | | 104+1 week | 240+2 weeks | 240+1 week | | 40 | | |
| | | 306140 | Architectural Design & Construction A | 3.0 | 48 | 48 | | | | | | | | 48 | | | | | Test |

Courses and Teaching Plan for Undergraduate Foreign Students majoring in *Civil Engineering*

Table 2

| Course Category | Course type | Course code | Course name | Course credits | Hours (Weeks) | Theoretical teaching hours | Experiment & Internship | | | | Semester hours(weeks) | | | | | | | | Assessment method |
|---------------------|--------------|-------------|---|----------------|---------------|----------------------------|-------------------------|----------------------|----------------------|----------------------|-----------------------|---|---|---|---------|---------|---------|---|--------------------------|
| | | | | | | | Experimental hours | Computer study hours | Field practice hours | Field practice weeks | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| Special-ized Course | Computersory | 306606 | Design of Concrete and Masonry Strucutre | 2.5 | 40 | 40 | | | | | | | | | | 40 | | | Comprehensive assessment |
| | | 306141 | Steel Structure Design | 2.0 | 32 | 32 | | | | | | | | | | 32 | | | Comprehensive assessment |
| | | 306177 | Construction of Civil Engineering B | 3.0 | 48 | 48 | | | | | | | | | | | 48 | | Test |
| | | 306144 | Foundation Engineering | 2.0 | 32 | 32 | | | | | | | | | | | 32 | | Test |
| | | 306151 | Structure Seismic | 2.0 | 32 | 32 | | | | | | | | | | | 32 | | Test |
| | | 306108 | High-rise Building Structure Design | 2.0 | 32 | 32 | | | | | | | | | | | 32 | | Comprehensive assessment |
| | | 306429 | Civil Engineering Structure Experimentation | 2.0 | 32 | 24 | 8 | | | | | | | | | 32 | | | Comprehensive assessment |
| | | 006107 | Curriculum Design of Building Architecture | 2.0 | 2 | | | | | 2 | | | | | 2 weeks | | | | Comprehensive assessment |
| | | 006602 | Curriculum Design of Foundation Engineering | 1.0 | 1 | | | | | 1 | | | | | | | 1 week | | Comprehensive assessment |
| | | 006410 | Reinforced Concrete Floor Design | 2.0 | 2 | | | | | 2 | | | | | | 2 weeks | | | Comprehensive assessment |
| | | 006411 | Single-storey Industrial Building Design | 2.0 | 2 | | | | | 2 | | | | | | 2 weeks | | | Comprehensive assessment |
| | | 006412 | Engineering Software TrainingA | 1.0 | 24 | | | 24 | | | | | | | | | 24 | | Comprehensive assessment |
| | | 006138 | Curriculum Design of Civil Engineering Construction | 2.0 | 2 | | | | | 2 | | | | | | | 2 weeks | | Comprehensive assessment |
| | | 006108 | Curriculum Design of Steel Structure | 2.0 | 2 | | | | | 2 | | | | | | 2 weeks | | | Comprehensive assessment |
| | | 006413 | Concrete Basic Components Experiment | 1.0 | 24 | | 24 | | | | | | | | | | 24 | | Comprehensive assessment |
| | | 006408 | Cognition Practice | 1.0 | 1 | | | | | 1 | | | | | 2 weeks | | | | Comprehensive assessment |

Courses and Teaching Plan for Undergraduate Foreign Students majoring in *Civil Engineering*

Table 2

| Course Category | Course type | Course code | Course name | Course credits | Hours (Weeks) | Theoretical teaching hours | Experiment & Internship | | | | Semester hours(weeks) | | | | | | | | Assessment method | |
|-----------------|-------------|---------------------------|---|----------------|---------------|----------------------------|-------------------------|----------------------|----------------------|----------------------|-----------------------|---|---|---|---|---------|-------------|----------|--------------------------|--------------------------|
| | | | | | | | Experimental hours | Computer study hours | Field practice hours | Field practice weeks | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| | | 006409 | Production Practice | 2.0 | 2 | | | | | 2 | | | | | | 2 weeks | | | Comprehensive assessment | |
| | | 006125 | Graduation Thesis | 15.0 | 15 | | | | | 15 | | | | | | | | 15 weeks | Comprehensive assessment | |
| | | Sub-total | | 31.0 | 128+23weeks | 118 | 32 | 24 | | 22 | 16 | | | | | | 112+8 weeks | 15 weeks | | |
| | Optional | 206127 | Structural Dynamics | 1.5 | 24 | 24 | | | | | | | | | | 24 | | | Comprehensive assessment | |
| | | 306430 | Optimal Structure Design | 1.5 | 24 | 24 | | | | | | | | | | | 24 | | Comprehensive assessment | |
| | | 306431 | Principle of Composite Structure Design | 1.5 | 24 | 24 | | | | | | | | | | | 24 | | Comprehensive assessment | |
| | | 306432 | Engineering Elasticity | 2.0 | 32 | 32 | | | | | | | | | | 32 | | | Comprehensive assessment | |
| | | 306433 | Large-span Spatial Structures | 1.5 | 24 | 24 | | | | | | | | | | 24 | | | Comprehensive assessment | |
| | | 306179 | Civil Engineering English | 1.5 | 24 | 24 | | | | | | | | | | | 24 | | Comprehensive assessment | |
| | | 306185 | Special Structures | 1.5 | 24 | 24 | | | | | | | | | | | 24 | | Comprehensive assessment | |
| | | 306451 | Analysis and Treatment of Engineering Quality Accidents | 1.5 | 24 | 24 | | | | | | | | | | | | 24 | | Comprehensive assessment |
| | | Sub-total | | 11.0 | 176 | 176 | | | | | | | | | | | 56 | 120 | | |
| | | Choose at least 6 credits | | | | | | | | | | | | | | | | | | |

Courses and Teaching Plan for Undergraduate Foreign Students majoring in *Civil Engineering*

Table 3

| Course Category | Course type | Course code | Course name | Course credits | Hours (Weeks) | Theore- tical teaching hours | Experiment & Internship | | | | Semester hours(weeks) | | | | | | | | Assessment method | |
|---|-----------------|-------------|---|----------------|---------------|---------------------------------------|----------------------------|----------------------------|----------------------------|---|--|---|---|---|---|---|---|---|---|--|
| | | | | | | | Experimen- tal hours | Computer study hours | Field practice hours | Field practice weeks | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| Innovation- n and Entrepre- neurship | Compu- lsory | Y10010 | Foundation of Innovation and Entrepreneurship | 1.0 | 32 | 20 | | | 12 | | | | | | | | | | Comprehensive assessment | |
| | Option- al | | Innovation Courses | 1.0 | | | | | | | Earn at least 3.0 credits. Students can take part in part or all of Research Training I - V in semester 3-7. | | | | | | | | Comprehensive assessment | |
| | | | Open Experiments | 1.0 | | | | | | | | | | | | | | | Comprehensive assessment | |
| | | | Research Training I | 0.5 | | | | | | | | | | | | | | | Comprehensive assessment | |
| | | | Research Training II | 0.5 | | | | | | | | | | | | | | | Comprehensive assessment | |
| | | | Research Training III | 0.5 | | | | | | | | | | | | | | | Comprehensive assessment | |
| | | | Research Training IV | 0.5 | | | | | | | | | | | | | | | Comprehensive assessment | |
| | | | Research Training V | 0.5 | | | | | | | | | | | | | | | Comprehensive assessment | |
| | | | Innovation and Entrepreneurship Projects | 2.0 | | | | | | | | | | | | | | | Earn at least 2.0 credits. BUT those credits are not included in the graduation credits. | |
| | | | | | | | | | | | | | | | | | | | Earn at least 2.0 credits. BUT those credits are not included in the graduation credits. | |
| Second Classroom Activities | | | | 2.0 | | | | | | Earn at least 2.0 credits. BUT those credits are not included in the graduation credits. | | | | | | | | | | |