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| **Academic Master’s Program** | | | | | | | | | |
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|  | **Name of First Level Discipline** | | | **Master of Engineering, Doctor of Engineering** | | | | |  |
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|  | **Code of First Level Discipline** | | | **0852** | | | | |  |
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|  | **Name of Second Level Discipline** | | | **Software Engineering** | | | | |  |
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|  | **Code of Second Level Discipline** | | | **085212** | | | | |  |
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|  | **Applicable Degree Type** | | | **Academic Master** | | | | |  |
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|  | **Applicable Grade** | | | **2018** | | | | |  |
|  |  |  |  |  | | | | |  |
|  | **School Name** | | | **School of Software Engineering** | | | | |  |
|  |  |  |  |  | | | | |  |
|  | **Date of filing** | | | **September 27th, 2018** | | | | |  |
|  |  |  |  |  |  |  |  |  |  |
| **Tabulated by Graduate School of South China University of Technology** | | | | | | | | | |
| **Signature of Chapter President(Official Seal of School):** | | | | | | | | | |
| **Signature of Working Group:** | | | | | | | | | |
| **Leader:** | | | | | | | | | |
| **Members：** | | | | | | | | | |
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| **Software Engineering [Academic Master-International Student]--Basic Information of Program** | | | | | | | | | |
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| **1.Target** | | | | | | | | | |
| To cultivate senior scientific and technical talents who master strong basic theory of software engineering as well as systemic expertise, have a good sense of innovation as well as comprehensive academic accomplishment, can independently engage in technology work of software engineering, develop morally, intellectually and physically, can conduct basic research, applied research, can make innovation of key technologies, and do well in analysis, design, development and management of large software systems. | | | | | | | | | |
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| **2.Research Direction** | | | | | | | | | |
| Software Engineering | | | | | | | | | |
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| **3.Years of Study** | | | | | | | | | |
| 2-Years Master’s students in school can not exceed 4 years(including suspension of study). | | | | | | | | | |
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| **4.Credits and basic requirements for courses** | | | | | | | | | |
| Minimum total credits:25  Minimum credits for compulsory courses:15  Minimum credits for elective courses:10 | | | | | | | | | |
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| **5.Dissertation** | | | | | | | | | |
| Master’s students should develop a work plan of dissertation and write a dissertation proposal before Week 18 in the second semester. Before applying for a dissertation defense, the publication of the paper is required to be conducted in accordance with the relevant requirements of the university. After completing the dissertation, dissertation defense will be organized according to the regulations of“华南理工大学学位条例暂行实施细则” and “华南理工大学关于研究生申请学位论文答辩的有关规定”. | | | | | | | | | |
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| **6.Training Method** | | | | | | | | | |

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| The cultivation for Master’s students obey Supervisor (Steering Group) Responsibility System. Master’s students must develop training plan within two weeks of enrollment, and complete all credits selected by training plan within three semesters.  Academic Master’s students must participate in more than 5 academic sessions (two of which are cross-secondary disciplines) during studies. Each time it’s required to fill out the form of “华南理工大学研究生参加学术会（讲座）考核表”. | | | | | | | | | |
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| **Courses Information of Program** | | | | | | | | |
| **Property of Course** | **课程代码** | **课程** | **学分** | **总学时** | **开课学期** | **课程负责人** | **是否必修** | **多选组** |
| 必修课 | S0835013 | 深度学习 | 2 | 32 | 第一学期 | 谭明奎 | 必修 |  |
| S0835014 | Internet of Things Systems and Applications | 2 | 32 | 第二学期 | 王小航 | 必修 |
| S0835016 | Artificial Intelligence | 3 | 48 | 第二学期 | 宋恒杰 | 必修 |
| S0835031 | 信息搜索技术 | 2 | 32 | 第二学期 | 蔡毅 | 必修 |
| 选修课 | S0835019 | 计算机与软件工程概论 | 2 | 32 | 第三学期 | 陈春华 | 选修 |  |
| S0835027 | 计算机网络 | 3 | 64 | 第二学期 | 陈春华 | 选修 |
| S0835028 | 高级语言程序设计(C++ I) | 3 | 64 | 第一学期 | 黄小兵 | 选修 |
| S0835029 | 机器学习 | 2 | 32 | 第三学期 | 吴庆耀 | 选修 |
| S0835030 | 高级语言程序设计(C++ II) | 2 | 32 | 第二学期 | 黄小兵 | 选修 |
| 公共基础课 | S0004042 | 中国文化 | 2 | 32 | 第一学期 | 安然 | 必修 |  |
| S0004043 | 初级汉语 1 | 2 | 32 | 第一学期 | 何继军 | 必修 |
| S0503089 | Intercultural Communication | 2 | 32 | 第一学期 | 安然 | 必修 |