**普通高等学校本科专业设置申请表**

**（备案专业适用）**

校长签字:

 学校名称（盖章）：福建师范大学闽南科技学院

学校主管部门：福建省教育厅

专业名称：物联网工程

专业代码：080905

所属学科门类及专业类：工学 计算机类

学位授予门类：工学

修业年限：四年

申请时间：2018年6月

专业负责人：陈志德

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教育部制

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填表说明

⒈本表适用于普通高等学校增设《普通高等学校本科专业目录》内专业（国家控制布点的专业除外）。

⒉申请表限用A4纸张打印填报并按专业分别装订成册。

⒊在学校办学基本类型、已有专业学科门类项目栏中，根据学校实际情况在对应的方框中画√。

⒋本表由申请学校的校长签字报出。

⒌申请学校须对本表内容的真实性负责。

1.普通高等学校增设本科专业基本情况表

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| 专业代码 | 080905 | 专业名称 | 物联网工程 |
| 修业年限 | 四年 | 学位授予门类 | 工学 |
| 学校开始举办本科教育的年份 | 2001年 | 现有本科专业（个） | 27个 |
| 学校本年度  其他拟增设的  专业名称 | 商务英语  产品设计  投资学  数据科学与大数据技术 | 本校已设的相近本、专科专业及开设年份 | 计算机科学与技术（2002）  网络工程（2006）  电子信息工程（2009）  通信工程（2010）  信息工程（2011）  智能科学与技术（2017） |
| 拟首次招生时间  及招生数 | 2019年秋季开始招生，  计划招生数为60人 | 五年内计划  发展规模 | 5年内计划发展规模保持在年均招收60人左右 |
| 师范专业标识  （师范S、兼有J） |  | 所在院系名称 | 光电信息学院 |
| 高等学校专业设置评议专家组织审议意见 | （主任签字）       年   月   日 | 学校审批意见（校长签字） | （盖章）       年   月   日 |

⒉学校基本情况表

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| 学校名称 | 福建师范大学闽南科技学院 | 学校地址 | | 福建省南安市康美镇康元路8号 | | |
| 邮政编码 | 362332 | 校园网址 | | http://www.mnkjxy.com/ | | |
| 学校办学  基本类型 | □部委院校  □地方院校  □公办  √民办  □中外合作办学机构 | | | | | |
| □大学    □学院   √独立学院 | | | | | |
| 在校本科生总数 | 7004 | | 专业平均年招生规模 | | 68 | |
| 已有专业  学科门类 | □哲学   √经济学   □法学   □教育学   √文学    □历史学  √理学   √工学     □农学   □医学     √管理学  √艺术学 | | | | | |
| 专任教师  总数（人） | 391 | | 专任教师中副教授及以上职称教师数及所占比例 | | | 151人/38.62% |
| 学校简介和  历史沿革  （300字以内，无需加页） | 福建师范大学闽南科技学院创办于2001年，是由菲律宾爱国华侨举办，实施普通高等学校全日制本科教育的民办高校，主要培养经济建设和社会发展急需的应用型人才。  学校坐落于福建泉州南安市，有康美、美林、江北三个校区，占地面积近700亩。现有专任教师391人，其中副高以上专业技术职务151人。设有11个学院，共开设涵盖理、工、文、管、经等学科门类的27个本科专业，在校生7000多人。  学校毕业生就业率屡创新高，2015届、2016届、2017届毕业生就业率高达100%  学校努力建设成一所立足闽南，面向海西，服务区域经济发展和现代产业体系建设，具有侨乡特色、在海峡两岸具有一定影响的高水平应用型民办本科高校。 | | | | | |
| 注：专业平均年招生规模=学校当年本科招生数÷学校现有本科专业总数 | | | | | | |

3.增设专业的理由和基础

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| （简述学校定位、人才需求、专业筹建等情况）**（无需加页）**  **（一）学校定位**  学校立足闽南、面向海西，发挥地处重点侨区和闽南金三角的区位优势，努力建设服务闽南侨乡经济社会发展的区域性、应用型大学，为社会培养具有创新精神和实践能力的高素质应用型专门人才。根据海西社会经济和我省高等教育发展需求，我校提出“以工科为主，发展应用型文科”的学科发展战略。  **（二）人才需求**  物联网是继计算机、互联网之后，世界信息产业的第三次浪潮，物联网具有广泛的行业应用需求和巨大的产业发展空间，我国政府高度重视物联网的发展，正在把物联网作为国家战略性新兴产业来积极推动发展。2013年2月5日，国家发展改革委、工业和信息化部联合相关部门起草了《关于推进物联网有序健康发展的指导意见》并经国务院批准印发。文件明确了我国物联网发展总体目标和近期目标，并部署了“加快技术研发、突破产业瓶颈”，“推动应用示范、促进经济发展”等9项主要任务。为了加快我省物联网的发展，福建省政府在《福建省加快物联网发展行动方案》中明确指出，将完善物联网产业体系，形成千亿产业规模，有力支撑智慧城市群建设。“建立多层次多类型的物联网人才培养和服务体系。支持省内更多高校设立物联网相关专业，推广校企合作培养模式，扩大人才培养规模。”  泉州市作为打造物联网应用的全省首批物联网示范区，泉州市政府更是专门针对物联网产业的发展制定了《“十二五”“智能泉州”建设专项规划》。在《泉州市加快物联网发展行动方案（2013-2015年）》中更是提出以“智慧城市”建设为突破口，以打造泉州物联网通信传输产业基地为重点，积极构建物联网技术在经济发展、公共管理、民生服务等经济和社会发展重要领域的应用支撑作用。重点推进对产业化发展具有重大作用的物联网工业、农业、交通物流、公共和生产安全、生态保护、能源、民生服务等应用示范工程项目，通过应用示范，以点带面，加速物联网产业集聚，辐射带动物联网产业发展。  目前，福建省内高校包括福州大学、福建师范大学、泉州师范学院、厦门大学嘉庚学院等大部分本科高校均已先后开设了物联网工程专业。在泉州市大力发展物联网产业和人才供不应求的当前看，我校开设物联网工程专业，培养高级物联网应用型人才是迫切需要。  **（三）专业筹建**  我校密切关注泉州市经济和物联网产业的发展，2017年起，积极筹办物联网专业。先后到福州大学、福建师范大学、泉州师范学院等高校进行了物联网专业办学情况，广泛征求物联网专业的办学意见和建议，并聘请福建师范大学陈志德教授、福建师范大学福清分校倪振松副教授、泉州师范学院叶宇光教授、东方锐智科技集团总经理黄新东等行业专家进行专业、实验室等办学条件和办学定位等方面的可行性论证。  在已有相关专业办学经验的基础上，整合优质资源，大力引进人才，对物联网学科发展进行统筹规划。在师资、教学场地和设施、实验室场地和设备、图书资料等方面加大投入、加快建设。  **1.专业建设基础**  目前我校共有与物联网相关本科专业7个：电子信息工程、光电信息科学与工程、通信工程、计算机科学与技术、网络工程、信息工程、智能科学与技术。开设了物联网专业相关的专业基础课、专业课、实验实践课，积累了大量的相关专业的教学理论和实践经验，为新增物联网工程专业奠定了良好的基础，也可以与物联网工程专业构成特色专业群，进一步优化学科专业结构，促进特色人才培养质量的提高。  **2.师资队伍条件**  物联网工程专业师资由教授、副教授、讲师和助教构成，共有17人可进行物联网工程专业相关课程的教学，其中教授2人，副教授4人，讲师7人，助教4人。  **3.教学设施设备**  我校已建立了可支撑物联网工程专业办学的计算机软件实验室、信息技术实验室、模拟电子实验室、数字电子实验室、计算机组成原理/程控交换实验室 、单片机及控制技术实验室、信号与系统实验室、光纤通信信息处理实验室、思科网络综合实验室、华三网络综合实验室、嵌入式、EDA实验室和电工实验室等教学实验平台，成立了光电研究所、物联网应用技术研究所。  **4.教学实践基地**  我校目前已和170多家知名企事业单位合作建立的教学实习实践基地，并有2个省级大学生校外实践教学基地，通过产教融合，协同育人，构建了良好的人才培养合作关系，为学生成长成才提供优质平台。光电信息科学系与福建东方锐智科技集团、福建省光速达物联网科技股份有限公司等物联网行业企业建立了校企合作关系，具有良好的合作基础。 |

4.增设专业人才培养方案

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| 包括培养目标、基本要求、修业年限、授予学位、主要课程设置、主要实践性教学环节和主要专业实验、教学计划等内容）**（如需要可加页）**  **一、培养目标**  本专业培养德、智、体全面发展，具备良好的科学素养，培养掌握工科公共基础知识，系统地掌握计算机和物联网工程的基本理论，工程技术原理和方法；具备从事物联网技术研究、物联网系统设计与开发、物联网系统安全保障能力的应用型高级专门人才。  **二、业务基本要求**  1. 拥护中国共产党领导，热爱祖国，遵纪守法，具有崇高的敬业精神和良好的职业道德修养，较全面的人文素质和承担社会责任的能力；  2. 具有良好的计算机和英语技能，能够借助计算机处理有关业务，掌握较好的英语听、说、读、写技能；  3. 具备良好的现代科学技术培养和人文关怀精神，有创新意识和追求事业成功的主动性，具备良好的职业素养；  4. 系统掌握物联网工程领域的基本理论和知识；  5. 具有扎实的信息采集技术、数据通信、计算机网络等方面的基本知识、基本原理和基本实验技能，受到科学思维和科学实验的训练，获得从事科研研究和技术开发的基本能力；  6. 了解国家关于科学研究、物联网相关产业的政策和国内外知识产权等方面的法律法规；有较宽的知识面，具有较高的职业素质，包括严谨的科学作风、独立工作能力和自我知识更新的能力。  7. 了解物联两某些领域的理论前沿、应用前景和最新动态以及相关产业发展 状况；并能初步将物联网知识与生产实际相结合，解决实际问题。  8. 掌握中外文资料查询、文献检索及运用现代信息技术获取相关信息的基本方法；具有一定的实验设计，创造实验条件，归纳、整理、分 析实验结果，撰写论文，参与学术交流的能力；具有创新意识。  **三、修学年限：四年**  **四、授予学位：工学学士**  **五、主干课程**  1．主干学科：物联网工程。  2．核心课程：电子电路、C程序设计、离散数学、计算机网络、数据结构、数字逻辑电路、操作系统、单片机原理与应用、数据库系统、嵌入式系统原理、信号与系统、物联网控制原理与技术、物联网通信技术、无线传感网络。  **六、主要实践性教学环节和主要专业实验**  主要实践性教学环节：创新创业实践、专业见习、物联网应用系统综合训练、毕业实习、毕业论文  主要专业实验： 模拟电子电路实验、数字电子电路实验、微机原理与接口技术实验、嵌入式系统实验 、数据库系统实验、操作系统实验、单片机实验、物联网技术及应用、无线传感网络实验等。  **七、教学计划**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **物联网工程专业教学计划表** | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | **课程 类型** | | **课程名称** | **开课部门** | **学 分** | **学时** | | **总 学 时** | **开课学期和周学时数** | | | | | | | | | **讲授** | **实验与 实践** | **一** | **二** | **三** | **四** | **五** | **六** | **七** | **八** | | **通 识 课 程** | **必 修** | 通识必修课 | | 40 | 384 | 224 | 608 | 7 | 10 | 6 | 8 | 3 | 7 | 0 |  | | 大学生学习与心理指导 | 通识教育学院 | 1 | 16 |  | 16 | 4-5次 | |  | | | | | | | 思想道德修养与法律基础 | 马克思主义学院 | 3 | 32 | 16 | 48 |  |  |  | 2+1 |  |  |  |  | | 中国近现代史纲要 | 马克思主义学院 | 2 | 32 |  | 32 |  | 2 |  |  |  |  |  |  | | 马克思主义基本原理 | 马克思主义学院 | 3 | 32 | 16 | 48 |  |  |  |  | 2+1 |  |  |  | | 毛泽东思想与中国特色社会主义理论体系概论 | 马克思主义学院 | 6 | 64 | 32 | 96 |  |  |  |  |  | 4+2 |  |  | | 形势与政策 | 马克思主义学院 | 2 | 32 | 32 | 64 | 每学期都开设，讲授与实践各4课时 | | | | | | | | | 创新创业导论 | 创新创业学院 | 1 | 16 |  | 16 |  |  |  |  |  | 1 |  |  | | 军事理论 | 通识教育学院 | 2 | 32 |  | 32 |  | 2 |  |  |  |  |  |  | | 就业指导与职业生涯规划 | 通识教育学院 | 1 | 16 |  | 16 | 4-5次 | | | | | | | | | 大学英语（I-IV） | 通识教育学院 | 15 | 112 | 128 | 240 | 3+2 | 2+2 | 2+2 | 3 |  |  |  |  | | 大学体育（I-Ⅱ） | 通识教育学院 | 4 |  | 128 | 128 | 2 | 2 | 2 | 2 |  |  |  |  | | **选 修** | 通识选修课 | | 8 | 96 |  | 96 |  |  |  |  |  |  |  |  | |  | 相关开课学院 | 2 | 24 |  | 24 |  |  |  |  |  |  |  |  | |  | 相关开课学院 | 6 | 72 |  | 72 |  |  |  |  |  |  |  |  | | **专 业 基 础 课 程** | **必 修** | 专业基础必修课 | | 35 | 512 | 104 | 616 | 22 | 9 | 8 |  |  |  |  |  | | 高等数学A（上） | 光电信息学院 | 4 | 64 |  | 64 | 4 |  |  |  |  |  |  |  | | 线性代数 | 光电信息学院 | 3 | 48 |  | 48 | 3 |  |  |  |  |  |  |  | | 大学计算机基础 | 计算机信息学院 | 3 | 32 | 32 | 64 | 2+3 |  |  |  |  |  |  |  | | 电路分析基础 | 光电信息学院 | 4 | 64 |  | 64 | 4 |  |  |  |  |  |  |  | | 电路分析实验 | 光电信息学院 | 1 |  | 24 |  | 1 |  |  |  |  |  |  |  | | C程序设计 | 光电信息学院 | 3 | 48 |  | 48 | 3 |  |  |  |  |  |  |  | | C程序设计实验 | 光电信息学院 | 2 |  | 32 | 32 | 2 |  |  |  |  |  |  |  | | 高等数学A（下） | 光电信息学院 | 6 | 96 |  | 96 |  | 6 |  |  |  |  |  |  | | 大学物理（上） | 光电信息学院 | 2 | 32 |  | 32 |  | 2 |  |  |  |  |  |  | | 大学物理实验 | 光电信息学院 | 1 |  | 16 | 16 |  | 1 |  |  |  |  |  |  | | 离散数学 | 光电信息学院 | 2 | 64 |  | 64 |  |  | 4 |  |  |  |  |  | | 大学物理（下） | 光电信息学院 | 2 | 32 |  | 32 |  |  | 2 |  |  |  |  |  | | 概率论与数理统计 | 光电信息学院 | 2 | 32 |  | 32 |  |  | 2 |  |  |  |  |  | | **专业主干课程** | **必修** | 专业主干必修课 | | 40 | 624 | 206 | 830 |  | 8 | 11 | 16 | 11 | 5 |  |  | | 物联网工程导论 | 光电信息学院 | 2 | 32 |  | 32 |  | 2 |  |  |  |  |  |  | | 模拟电子电路 | 光电信息学院 | 4 | 64 |  | 64 |  | 4 |  |  |  |  |  |  | | 模拟电子线路实验 | 光电信息学院 | 1 |  | 30 |  |  | 2 |  |  |  |  |  |  | | 数字逻辑电路 | 光电信息学院 | 3 | 48 | 16 | 64 |  |  | 3+1 |  |  |  |  |  | | 计算机网络 | 光电信息学院 | 3 | 48 | 16 | 64 |  |  | 3+1 |  |  |  |  |  | | 单片机原理与应用 | 光电信息学院 | 2 | 32 | 16 | 48 |  |  | 2+1 |  |  |  |  |  | | 嵌入式系统原理 | 光电信息学院 | 3 | 48 | 16 | 64 |  |  |  | 3+1 |  |  |  |  | | 数据结构 | 光电信息学院 | 3 | 48 | 16 | 64 |  |  |  | 3+1 |  |  |  |  | |  |  | 数据库原理与应用 | 光电信息学院 | 3 | 48 | 16 | 64 |  |  |  | 3+1 |  |  |  |  | | 操作系统 | 光电信息学院 | 3 | 48 | 16 | 64 |  |  |  | 3+1 |  |  |  |  | | 物联网通信技术 | 光电信息学院 | 3 | 48 | 16 | 64 |  |  |  |  | 3+1 |  |  |  | | 信号与系统 | 光电信息学院 | 3 | 48 | 16 | 64 |  |  |  |  | 3+1 |  |  |  | | 物联网控制原理与技术 | 光电信息学院 | 2 | 32 | 16 | 48 |  |  |  |  | 2+1 |  |  |  | | 软件工程 | 光电信息学院 | 3 | 48 | 16 | 64 |  |  |  |  |  | 3+1 |  |  | | 物联网系统安全 | 光电信息学院 | 2 | 32 |  | 32 |  |  |  |  |  | 2 |  |  | | **专业选修课程** | **选修** | 专业选修课程 | | 20 | 320 | 112 | 432 |  |  |  |  |  |  |  |  | | 注：专业选修课程必须修满20学分（其中第五学期选2门，第六学期选2门，第七学期不限选） | | | | | | | | | | | | | | | 传感器原理与信息感知技术 | 光电信息学院 | 3 | 48 | 16 | 64 |  |  |  |  |  |  |  |  | | Linux程序设计 | 光电信息学院 | 3 | 32 | 16 | 48 |  |  |  |  |  |  |  |  | | 无线传感器网络 | 光电信息学院 | 3 | 48 | 16 | 64 |  |  |  |  |  |  |  |  | | JAVA程序设计 | 光电信息学院 | 3 | 32 | 32 | 64 |  |  |  |  |  |  |  |  | | 定位技术及应用 | 光电信息学院 | 3 | 32 | 16 | 48 |  |  |  |  |  |  |  |  | | 嵌入式系统设计 | 光电信息学院 | 3 | 32 | 32 | 64 |  |  |  |  |  |  |  |  | | Python程序设计 | 光电信息学院 | 2 | 32 |  | 32 |  |  |  |  |  |  |  |  | | 数字信号处理 | 光电信息学院 | 2 | 32 | 16 | 48 |  |  |  |  |  |  |  |  | | 网络安全原理与技术 | 光电信息学院 | 3 | 48 | 16 | 24 |  |  |  |  |  |  |  |  | | 人工智能导论 | 光电信息学院 | 2 | 32 | 16 | 48 |  |  |  |  |  |  |  |  | | Android移动应用开发 | 光电信息学院 | 3 | 32 | 32 | 64 |  |  |  |  |  |  |  |  | | 面向对象程序设计 | 光电信息学院 | 3 | 32 | 32 | 64 |  |  |  |  |  |  |  |  | | 云计算技术 | 光电信息学院 | 3 | 32 | 16 | 48 |  |  |  |  |  |  |  |  | | 算法分析与设计 | 光电信息学院 | 3 | 48 | 16 | 64 |  |  |  |  |  |  |  |  | | **集中实践环节** | **必修** | 集中实践环节 | | 21 |  |  |  |  | | | | | | | | | 综合素质拓展 | 通识教育学院 | 2 |  | 4周 | 4周 | 含公益劳动、社会调查、各类讲座、社团活动等社会实践活动内容 | | | | | | | | | 创新创业实践 | 创新创业学院 | 2 |  | 4周 | 4周 | 含学科竞赛、科研训练、资格认证、技能培训等内容 | | | | | | | | | 专业见习 | 光电信息学院 | 1 |  | 4周 | 4周 | 含专业介绍、专业前沿讲座、课程见习、专业认知实践、专业调查实践等内容 | | | | | | | | | 军事训练 | 通识教育学院 | 1 |  | 2周 | 2周 | 2周 |  |  |  |  |  |  |  | | 物联网应用系统综合训练 | 光电信息科学系 | 2 |  | 2周 | 2周 |  |  |  |  |  | 1周 |  |  | | 毕业实习 | 光电信息学院 | 6 |  | 8周 | 8周 |  |  |  |  |  |  |  | 8周 | | 毕业论文(设计) | 光电信息学院 | 6 |  | 12周 | 12周 |  |  |  |  |  |  | 12周 | | | **选修** | 注：集中实践选修课必修修满1学分 | | | | | | | | | | | | | | | 传感器原理综合训练 | 光电信息学院 | 1 |  | 1周 | 1周 |  |  |  |  | 1周 |  |  |  | | 嵌入式系统综合训练 | 光电信息学院 | 1 |  | 1周 | 1周 |  |  |  |  | 1周 |  |  |  | | 移动应用开发专题训练 | 光电信息学院 | 1 |  | 1周 | 1周 |  |  |  |  |  | 1周 |  |  | | Python程序设计专题训练 | 光电信息学院 | 1 |  | 1周 | 1周 |  |  |  |  | 1周 |  |  |  | | **总计** | | |  | 164 | 1936 | 646 | 2582 | 29 | 27 | 25 | 24 | 14 | 12 | 2 |  |   **八、学时分配(单位:学时)**   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 项目 | 政治课 | 军事课 | 体育课 | 科学文化课 | 专业基础课 | 专业课 | 合计 | 百分比 | | 必修课 | 224 | 112 | 128 | 388 | 616 | 830 | 2298 | 81% | | 选修课 |  |  |  | 96 |  | 432 | 528 | 19% | | 合计 | 224 | 112 | 128 | 484 | 616 | 1262 | 2826 | 100% | | 百分比 | 公共基础课：33.5% | | | | 21.8% | 44.6% | 100% |  |   **九、素质培养项目及学分**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **项目** | **内   容** | **学分/单位** | **考核方式（依据）** | **审定**  **单位** | | 基本素质 | 基本素质 | 0.5/学期 | 政治思想、遵章守纪情况考察 | 年级办 | | 社会实践 | 社会调查 | 1/次 | 评阅调查报告 | 年级办 | | 团队活动 | 1/次 | 俱乐部证明 | 团委 | | 俱乐部活动 | 0.2/学期 | 社团证明 | 团委 | | 学研活动 | 市级竞赛获奖 | 1-3/项 | 获奖证书 | 学院 | | 全国竞赛获奖 | 3-5/项 | 获奖证书 | 学院 | | 获专利一项 | 2/项 | 专利证书 | 学院 | | 参加科研并获奖 | 1-2/项 | 科研报告、证书 | 学院 | | 公开刊物发表学术论文 | 1/篇 | 发表刊物 | 学院 | | 通过英语6级考试 | 1 | 证书 | 学院 | | 非计算机专业通过计算机2级以上等级考试 | 1 | 证书 | 学院 | | 计算机专业通过计算机3级（含）以上等级考试 | 1 | 证书 | 学院 | | 文体活动 | 参加系以上体育、文艺队 | 1/项 | 团队证明、鉴定 | 团委 | | 院级(文体比赛获奖 | 0.5-1.5/项 | 获奖证书 | 学院 | | 市级文体比赛获奖 | 1-3/项 | 获奖证书 | 学院 | | 全国文体比赛获奖 | 3-5/项 | 获奖证书 | 学院 | | 积极参加文体活动 | 0.2/学期 | 年级鉴定 | 年级办 | | 院内刊物发表文章 | 0.1/篇 | 发表刊物原件 | 学院 | | 社会工作 | 担任班委、团支委以上学生干部 | 0.5-2/学年 | 证明、鉴定 | 学院 | | 担任俱乐部干部 | 0.5-1/学年 | 证明、鉴定 | 团委 | | 院级先进集体或个人 | 0.2-1/次 | 证书、奖状 | 学院 | | 市级先进集体或个人 | 0.3-2/次 | 证书、奖状 | 学院 | | 参加青年志愿者 | 0.2/次 | 证明、鉴定 | 年级办 | | 参加院内义务劳动 | 0.1/次 | 证明 | 年级办 |   **十一、毕业标准与学位授予**  **（一）毕业标准：**完成所有必修课程及规定的选修课程学习，取得164学分。  **（二）学位授予：**凡符合学位授予条例的，经院学位委员会审核批准授予工学学士学位。  **十二、 实验室建设**  根据教学和学生实践环节需要而建设的实验室，设备配备完善。先后建设了计算机软件实验室、信息技术实验室、模拟电子实验室、数字电子实验室、多媒体技术实验室、计算机组成原理/程控交换实验室 、单片机及控制技术实验室、微机接口原理实验室、信号与系统实验室、光纤通信信息处理实验室、华三网络综合实验室、嵌入式、EDA实验室和电工实验室等多间物联网科学相关实验室。  根据实验项目，考虑一个班20-30人同时进实验室，设置以下实验室及相应要求。   |  |  |  | | --- | --- | --- | | **序号** | **名    称** | **面积m2** | | 1 | 计算机应用实验室 | 230 | | 2 | 计算机综合实验室 | 330 | | 3 | 计算机软件实验室 | 220 | | 4 | 计算机组成原理/程控交换实验室 | 118 | | 5 | 微机接口原理实验室 | 118 | | 6 | 单片机及控制技术实验室 | 118 | | 7 | 模电实验室 | 110 | | 8 | 数电实验室 | 110 | | 9 | 电子测量与高频电路实验室 | 110 | | 10 | 电工实验室 | 110 | | 11 | 光纤通信与光电检测技术实验室 | 108 | | 12 | 嵌入式、EDA实验室 | 60 | | 13 | 思科网络综合实验室 | 108 | | 14 | 华三网络综合实验室 | 140 | | 15 | 图形工作站 | 60 | | 16 | 移动通信实验室 | 60 | | 合  计 | | 2110 |   **十三、主要的实验室设备**   | 产品名称 | 型号 | 数量 | 单价 | 金额 | 厂家 | | --- | --- | --- | --- | --- | --- | | 1、计算机应用实验室 | | | | | | | 微型电子计算机 | 商祺N320 | 131套 | 2980 | 390380 | 方正 | | 服务器 | IBM X3400M3 | 1套 | 26000 | 26000 | IBM | | 交换机 | TPLINK | 6套 | 620 | 3720 | 中兴 | | 合    计 | | | 420100 | | | | 2、计算机综合实验室 | | | | | | | 微型电子计算机 | HP 280Pro G2 MT | 131套 | 3376 | 442256 | 惠普 | | 服务器 | Dell R730 | 1套 | 37842 | 37842 | Dell | | 千兆交换机 | IP-COM-G1024G | 6套 | 650 | 3900 | 深圳市和为顺网络技术有限公司 | | 虚拟通信系统加密狗 |  | 23套 | 1035 | 23805 |  | | 教师大A4原画创作板 | 影拓4代PTZ-840 | 1套 | 3500 | 3500 | 日本 | | 学生无纸原画创作板 | wacom Bamboo数位板 | 25套 | 1500 | 37500 | 日本 | | 绘图板 | WACOM460 | 10套 | 800 | 8000 | WACOM | | 合    计 | | | 556803 | | | | 3、计算机软件实验室 | | | | | | | 微型电子计算机 | HP-Pro3381MTPC | 131套 | 3550 | 465050 | 惠普 | | 服务器 | DELL | 1套 | 22000 | 22000 | DELL | | 交换机 | ZXR10\_2850 | 6套 | 1700 | 10200 | 中兴 | | 合    计 | | | 497250 | | | | 4、计算机组成原理/程控交换实验 | | | | | | | 微型电子计算机 | HP 280Pro G2 MT | 31套 | 3376 | 104656 | 惠普 | | 千兆交换机 | IP-COM-G1024G | 6套 | 650 | 3900 | 深圳市和为顺网络技术有限公司 | | 计算机组成原理实验系统 | EL-JY-II | 31套 | 2000 | 62000 | Techshine | | C51单片机仿真器 |  | 10套 | 580 | 5800 | 湖北众友 | | 数字程控交换原理实验箱 | ZY11803E(贴片型） | 31套 | 2700 | 83700 | 湖北众友 | | 双踪示波器 | CA8000 | 25套 | 1850 | 46250 | 扬中科泰电子仪器有限公司 | | 数字示波器 | 普源DS1102E | 31套 | 3080 | 95480 | 普源 | | 合    计 | | | 401786 | | | | 5、微机接口原理实验室 | | | | | | | 微型电子计算机 | HP 280Pro G2 MT | 31套 | 3376 | 104656 | 惠普 | | 数字通信实验箱 | HKSS-C | 31套 | 2000 | 62000 | 浙江天煌科技实业 | | 微型计算教学实验系统 | DVCC-8086JHN | 31套 | 1800 |  | 启东计算机厂有限公司 | | 示波器 | RIGOL | 31套 | 3080 | 95480 |  | | 合    计 | | | 262136 | | | | 6、单片机及控制技术实验室 | | | | | | | 微型电子计算机 | HP 280Pro G2 MT | 31套 | 3376 | 104656 | 惠普 | | 单片机开发系统 | 超想3000TC | 31套 | 1180 |  | 武汉恒科 | | 电子设计仿真与实验系统V1.0 | 风标Proteus | 1套 | 99800 | 99800 | 广州风标电子技术有限公司 | | 数字万用表 | MS8215 | 31套 | 170 |  | 深圳华谊 | | 合    计 | | | 204456 | | | | 7、模电实验室 | | | | | | | 微型电子计算机 | PRO2000MT | 1套 | 4240 | 4240 | 惠普 | | 万用表 | VC890D | 25套 | 118 | 2950 | 深圳市胜利高电子科技 | | 模拟电路实验装置 | THM-1 | 25套 | 1570 | 39250 | 杭州天科技术实业有限公司 | | 函数信号发生器 | YB1620P | 25套 | 2652 | 66300 | 江苏扬中市绿杨电子厂 | | 双踪示波器 | YB4325 | 25套 | 2800 | 70000 | 江苏绿杨电子仪器集团有限公司 | | 交流毫伏表 | EM2171 | 25套 | 1100 | 27500 | 扬中市江南电子仪器有限公司 | | 合计 | | | 210240 | | | | 8、数电实验室 | | | | | | | 微型电子计算机 | PRO2000MT | 1套 | 4240 | 4240 | 惠普 | | 数字电路实验装置 | THD-1 | 25套 | 1710 | 42750 | 杭州天煌电器设备厂 | | 万用表 | VC890D | 25套 | 118 | 2950 | 深圳市胜利高电子科技 | | 数字示波器 | UT-2102EE | 30套 | 3700 | 111000 | 优利德 | | 双踪示波器 | YB4325 | 30套 | 2800 | 84000 | 江苏绿杨电子仪器集团有限公司 | | 直流稳压电源 |  | 7套 | 2250 | 15750 |  | | 数字存储示波器 |  | 5套 | 3150 | 15750 |  | | 数字合成函数信号发生器 |  | 10套 | 2050 | 20500 |  | | 合 计 | | | 296940 | | | | 9、电子测量与高频电路实验室 | | | | | | | 微型电子计算机 | PRO2000MT | 1套 | 4240 | 4240 | 惠普 | | 高频电子线路实验箱 | ZY11701E | 30套 | 2240 | 67200 | 湖北众友 | | 万用表 | VC890D | 25套 | 118 | 2950 | 深圳市胜利高电子科技 | | 扫描仪-频率特性测试仪 | BT-3C | 10套 | 1750 | 17500 | 湖北众友 | | 高频电磁波污染强度计 | TM-196 | 2套 | 1850 | 3700 |  | | 半导体管特性图示仪 |  | 5套 | 10550 | 52750 |  | | 掌上宽频LCR测量仪 | TH-2822C | 5套 | 6200 | 31000 |  | | 直流稳压电源 |  | 9套 | 2250 | 20250 |  | | 函数波形发生器 | EM1634 | 25套 | 1320 | 33000 | 江南电子仪器有限公司 | | 合计 | | | 232590 | | | | 10、电工实验室 | | | | | | | 高性能电工综合实验装置 | KHDG-1 | 10套 | 20000 | 200000 | 浙江天煌 | | 微型电子计算机 | PRO2000MT | 1套 | 4240 | 4240 | 惠普 | | 合计 | | | 204240 | | | | 11、光纤通信与光电检测技术实验室 | | | | | | | 微型电子计算机 | PRO2000MT | 1套 | 4240 | 4240 | 惠普 | | 光纤通信原理实验系统 | ZY11804H1 | 4套 | 10700 | 42800 | 湖北众友 | | 激光实验设备 | GCS--HNGD-A | 3套 | 25000 | 75000 | 大恒光电 | | 光电倍增管实验仪 | ZY12206C | 3套 | 7300 | 21900 | 湖北众友 | | DPSL实验设备 | GCS-DPSL | 3套 | 49500 | 148500 | 大恒光电 | | 线阵CCD原理及应用实验仪 | ZY12207C | 3套 | 3700 | 11100 | 湖北众友 | | 光纤器件与光通信原理实验设备 |  | 3套 | 32000 | 96000 | 大恒新世纪元科技股份有限公司 | | 光纤光谱仪应用综合实验设备 |  | 1套 | 80000 | 80000 | 大恒新世纪元科技股份有限公司 | | 光纤传感器实验设备 | GSY-2000G | 3套 | 15000 | 45000 | 浙江高联 | | 全息实验仪 | JT-CHQX | 1套 | 17000 | 17000 | 大恒新世纪元科技股份有限公司 | | 合计 | | | 541540 | | | | 12、嵌入式、EDA实验室 | | | | | | | 可编程逻辑器件实验系统（EDA实验箱） | EL-SOPC4000 | 20套 | 4500 | 900000 | 北京达盛科技 | | ARM嵌入式实验箱 | JXARM9-2440 | 31套 | 3150 | 97650 | 武汉创维特 | | 微型电子计算机 | HP 280Pro G2 MT | 31套 | 3376 | 104656 | 惠普 | | 仿真器 | ADT2000ARM | 31套 | 720 | 22320 | 武汉创维特 | | 合    计 | | | 1124626 | | | | 13、思科网络综合实验室 | | | | | | | 光电交换机（网络交换） | WS-C3660-24PS-s | 1套 | 19160 | 19160 | CISCO | | 数据通信设备 | CWSNM-1.5-K9 | 1套 | 19000 | 19000 | CISCO | | 无线通信设备 | AIR-WLC2106-K9 | 2套 | 16500 | 33000 | CISCO | | 光电交换机（网络交换） | WS-C3560-24TS-S | 13套 | 14300 | 185900 | CISCO | | 桥－路由器 | CISCO1841-SEC/K9 | 5套 | 8390 | 41950 | CISCO | | 数据通信设备 | CSACS-4.0-WIN-K9认证ACS软件 | 2套 | 6909 | 13818 | CISCO | | 桥－路由器 | CISCO 1841 | 40套 | 5870 | 234800 | CISCO | | 计算机网络设备 | ASA5505-BON-k9防火墙 | 14套 | 5620 | 79128 | CISCO | | 光电交换机（网络交换） | WS-C2960-24TT-L三层交换机 | 15套 | 5500 | 82500 | CISCO | | 微型电子计算机 | HP 280Pro G2 MT | 40套 | 3376 | 135040 | 惠普 | | 监听模块 | WIC-2A/S=2端口串口模块 | 44套 | 1900 | 83600 | CISCO | | 光电交换机（网络交换） | WS-C3660-24PS-s | 12套 | 1600 | 19200 | CISCO | | 数据通信设备 | CWSNM-1.5-K9 | 1套 | 19160 | 19160 | CISCO | | 无线通信设备 | AIR-WLC2106-K9 | 3套 | 1350 | 4050 | CISCO | | 数据通信设备 | VIC2-2FXS语音网关模块 | 2套 | 1100 | 2200 | CISCO | | 数据通信设备 | CUVA-V2=IP电话视频套件 | 2套 | 1060 | 2120 | CISCO | | 数据通信设备 | SW-CCME-UL-7911IP电话7911G呼叫服务认证 | 2套 | 1050 | 2100 | CISCO | | 数据通信设备 | CP-7911G | 2套 | 1100 | 2200 | CISCO | | 合    计 | | | 978926 | | | | 14、华三网络综合实验室 | | | | | | | 微型电子计算机 | 联想启天M7150 | 1套 | 4880 | 4880 | 联想 | | 核心交换机 | H3C S7508E-X | 1套 | 426000 | 426000 | H3C | | 网管及用户接入管理平台 | H3C iMC-智能管理平台(SWP-IMC-IMP) | 1套 | 164000 | 164000 | H3C | | 实验室统一管理系统 | H3C iMC-网络实验管理系统 | 1套 | 180000 | 180000 | H3C | | 实验控制器 | H3CMSR 30-10 | 8套 | 9905 | 79240 | H3C | | 路由器 | H3CMSR 30-10 | 8套 | 16600 | 132800 | H3C | | 路由器 | H3CMSR 30-20 | 8套 | 8425 | 67400 | H3C | | 交换机 | H3CS3600V2-28TP-EI | 8套 | 8750 | 70000 | H3C | | 交换机 | H3C E126B | 8套 | 3850 | 30800 | H3C | | 交换机 | H3C E552 | 1套 | 11550 | 11550 | H3C | | 无线控制器 | H3CWX3010E-PoEP | 2套 | 17500 | 35000 | H3C | | 无线AP | H3CWB2360X-ANP | 2套 | 31500 | 63000 | H3C | | 无线AP | H3CWA2620i-AGN | 2套 | 4200 | 8400 | H3C | | 无线AP | H3CWA3620i-AGN | 2套 | 7700 | 15400 | H3C | | UTM-1 | H3C SecPath U200-M | 1套 | 31500 | 31500 | H3C | | UTM-2 | H3C SecPath U200-S | 1套 | 26510 | 26510 | H3C | | OLT 以太网交换机 | H3CS3600-2P-OLT | 1套 | 65620 | 65620 | H3C | | 服务器及云计算虚拟化平台 | H3CFlexServer R390 | 1套 | 720075 | 720075 | H3C | | 云存储 | HPP4500 2,12TB,MDL,SAS存储系统 | 1套 | 122548 | 122548 | H3C | | 云接入交换机 | H3CS5820V2-54QS-GE | 1套 | 149150 | 149150 | H3C | | 合    计 | | | 2403873 | | | | 15、图形工作站 | | | | | | | 高配置计算机 | DELL T3620（教师端） | 1套 | 16554 | 16554 | 厦门风云科技有限公司 | | 高配置计算机 | DELL T3620（学生端） | 60套 | 10975 | 658500 | 厦门风云科技有限公司 | | 合    计 | | | 675054 | | | | 16、移动通信实验室 | | | | | | | 移动通信实验箱 | LTE-YD-03A | 31套 | 7600 | 235600 | 武汉凌特 | | 通信原理实验箱 | LTE-TX-03A | 31套 | 5900 | 182900 | 武汉凌特 | | 合    计 | | | 418500 | | | |

5.专业主要带头人简介（表1）

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 姓名 | 陈志德 | | | 性别 | 男 | | 专业技术职务 | | | 教授 | | 第一学历 | | | 本科 | |
| 出生年月 | 1976.12 | | 行政职务 | | | 无 | | 最后学历 | | | 博士 | |
| 第一学历和最后学历毕业时间、学校、专业 | | | | 第一学历：1999年7月年毕业于福建师范大学应用数学专业  第二学历：2005年6月毕业于复旦大学计算机软件与理论专业 | | | | | | | | | | | | |
| 主要从事工作与研究方向 | | | | 无线传感器网络、大数据分析、网络安全 | | | | | | | | | | | | |
| 本人近三年的主要成就 | | | | | | | | | | | | | | | | |
| 在国内外重要学术刊物上发表论文共10  篇；出版教材2 部。 | | | | | | | | | | | | | | | | |
| 获教学科研成果奖共1项；其中：国家级 0 项，省部级2项。 | | | | | | | | | | | | | | | | |
| 目前承担教学科研项目共10 项；其中：国家级项目0 项，省部级项10 项。 | | | | | | | | | | | | | | | | |
| 近三年拥有教学科研经费共 38 万元，年均 12.67 万元。 | | | | | | | | | | | | | | | | |
| 近三年给本科生授课（理论教学）共450 学时；指导本科毕业设计共 30 人次。 | | | | | | | | | | | | | | | | |
| 最具代表性的教学科研成果（4项以内） | | 序号 | 成果名称 | | | 等级及签发单位、时间 | | | | | | | 本人署名位次 | | | |
| 1 | “数据库安全监管综合平台” | | | 科技进步奖三等奖、福建省政府、2015年 | | | | | | | 排名第二 | | | |
| 2 | 匿名证书、公平交易等若干安全协议研究及其在自组织网络中的应用 | | | 福建省科技厅、2009年 | | | | | | | 排名第一 | | | |
| 3 | 涉密信息存储于备份系统关键技术的研发与产业化 | | | 福建省科技厅、2012年 | | | | | | | 排名第二 | | | |
| 目前承担的主要教学科研项目（4项以内） | | 序号 | 项目名称 | | | 项目来源 | | 起讫时间 | | | 经费 | | 本人承担工作 | | | |
| 1 | 基于互联网+能耗智能管理系统 | | | 福建省经信委 | | 2018.01-2018.12 | | | 5万 | | 负责人 | | | |
| 2 | M2M网络故障诊断与修复方法研究 | | | 福建省自然科学基金 | | 2016.01-2016.12 | | | 5万 | | 负责人 | | | |
| 3 | 网络安全原理与技术福建省在线课程 | | | 福建省教育厅 | | 2016.01-2016.12 | | | 10万 | | 负责人 | | | |
| 4 | 福建省物联网工程专业创新创业教育培养体系研究 | | | 福建省教育厅 | | 2017.01-2017.12 | | | 5万 | | 负责人 | | | |
| 目前承担的主要教学工作（5门以内） | | 序号 | 课程名称 | | | 授课对象 | | 人数 | 学时 | | 课程性质 | | 授课时间 | | | |
| 1 | 网络信息安全 | | | 本科 | | 80 | 48 | | 必修课 | | 2008-今 | | | |
| 2 | 云计算技术 | | | 本科 | | 60 | 64 | | 必修课 | | 2014-今 | | | |
| 3 | 物联网工程导论 | | | 本科 | | 60 | 48 | | 必修课 | | 2014-今 | | | |
| 4 |  | | |  | |  |  | |  | |  | | | |
| 5 |  | | |  | |  |  | |  | |  | | | |
| 教学管理部门审核意见 | | | 签章 | | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  | |

5.专业主要带头人简介（表2）

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 姓名 | 江华丽 | | | | | | 性别 | | 女 | | | | 专业技术职务 | | | | | 副教授 | | | | | 第一学历 | | | | | | 本科 |
| 出生年月 | | 1985.7 | | | | 行政职务 | | | | | 无 | | | | | 最后学历 | | | | | | 硕士 |
| 第一学历和最后学历毕业时间、学校、专业 | | | | | | | 第一学历：2008年7月毕业于福建师范大学电子信息工程专业  最后学历：2010年7月毕业于福建师范大学通信与信息系统专业 | | | | | | | | | | | | | | | | | | | | | | |
| 主要从事工作与研究方向 | | | | | | | 物联网、嵌入式及算法 | | | | | | | | | | | | | | | | | | | | | | |
| 本人近三年的主要成就 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 在国内外重要学术刊物上发表论文共 4 篇；出版专著（译著等）1 部。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 获教学科研成果奖共 0 项；其中：国家级 0项，省部级0 项。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 目前承担教学科研项目共 6项；其中：国家级项目 0项，省部级项目6 项。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 近三年拥有教学科研经费共 11万元，年均3.67 万元。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 近三年给本科生授课（理论教学）共314 学时；指导本科毕业设计共 24人次。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 最具代表性的教学科研成果（4项以内） | | | 序号 | | 成果名称 | | | | | | 等级及签发单位、时间 | | | | | | | | | | | | | 本人署名位次 | | | | | |
| 1 | | 电子信息工程专业创业创新改革 | | | | | | 福建省教育厅、2016-2018 | | | | | | | | | | | | | 第一 | | | | | |
| 2 | | 基于ZigBee的便携式睡眠监测仪设计 | | | | | | 福建省教育厅、2016-2017 | | | | | | | | | | | | | 第一 | | | | | |
| 3 | | 基于神经网络算法的研究 | | | | | | 福建省科技厅、2012-2013 | | | | | | | | | | | | | 第一 | | | | | |
| 4 | | 基于zigbee的无线智能应急照明系统 | | | | | | 福建省教育厅、2017-2018 | | | | | | | | | | | | | 第二 | | | | | |
| 目前承担的主要教学科研项目（4项以内） | | | 序号 | | 项目名称 | | | | | | 项目来源 | | | | 起讫时间 | | | | | 经费 | | | | 本人承担工作 | | | | | |
| 1 | | 电子信息工程专业创业创新改革 | | | | | | 福建省教育厅 | | | | 2016-2018 | | | | | 10万 | | | | 负责人 | | | | | |
| 2 | | 基于zigbee的无线智能应急照明系统 | | | | | | 福建教育厅 | | | | 2017-2018 | | | | | 1万 | | | | 通信网络设计 | | | | | |
| 目前承担的主要教学工作（5门以内） | | | 序号 | | 课程名称 | | | | | | 授课对象 | | | | 人数 | | | 学时 | | 课程性质 | | | | | | 授课时间 | | | |
| 1 | | 数字逻辑电路 | | | | | | 本科 | | | | 120 | | | 48 | | 专业课 | | | | | | 2010-今 | | | |
| 2 | | 电工与电子技术 | | | | | | 本科 | | | | 120 | | | 48 | | 专业课 | | | | | | 2010-今 | | | |
| 3 | | 信号与系统 | | | | | | 本科 | | | | 70 | | | 48 | | 专业课 | | | | | | 2010-今 | | | |
| 4 | |  | | | | | |  | | | |  | | |  | |  | | | | | |  | | | |
| 教学管理部门审核意见 | | | | | 签章 | | | | | | | | | | | | | | | | | | | | | | | | |
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6.教师基本情况表

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 姓名 | 性别 | 年龄 | 拟任课程 | 专职/兼职 | 专业技术职务 | 最后学历毕业学校 | 最后学历毕业专业 | 最后学历毕业学位 | 研究领域 |
| 陈志德 | 男 | 42 | 云计算技术、网络安全原理与技术、物联网工程导论 | 兼职 | 教授 | 复旦大学 | 计算机软件与理论 | 博士 | 无线传感器网络、大数据分析网络安全 |
| 杨文琴 | 女 | 67 | 大学物理 | 专职 | 教授 | 厦门大学 | 半导体 | 学士 | 物理 |
| 王树林 | 男 | 62 | 传感器原理与信息感知技术、电路分析基础 | 专职 | 副教授 | 江西师范学院 | 物理学 | 学士 | 无线传感网络 |
| 傅金波 | 男 | 38 | 高等数学、算法分析与设计 | 专职 | 副教授 | 福建师范大学 | 数学 | 硕士 | 数学 |
| 江华丽 | 女 | 34 | 物联网控制原理与技术、数字逻辑电路 | 专职 | 副教授 | 福建师范大学 | 通信与信息系统 | 硕士 | 嵌入式、算法协议 |
| 王春霞 | 女 | 37 | 数据结构、软件工程 | 专职 | 副教授 | 吉林大学 | 地球探测与技术 | 硕士 | 计算机应用技术 |
| 柳文清 | 男 | 34 | 线性代数 | 专职 | 讲师 | 集美大学 | 应用数学 | 硕士 | 偏微分 |
| 张荣辉 | 男 | 31 | C程序设计、单片机原理与应用 | 专职 | 讲师 | 福建师范大学 | 电子信息工程 | 学士 | 嵌入式 |
| 潘亚文 | 男 | 31 | 嵌入式系统原理、计算机网络 | 专职 | 讲师 | 河南师范大学 | 光学 | 硕士 | 嵌入式、计算机组成 |
| 李宏华 | 男 | 33 | 模拟电子线路、物联网系统安全 | 专职 | 讲师 | 福建师范大学 | 电子信息工程 | 学士 | 物联网应用、嵌入式及智能设计 |
| 王敬 | 女 | 32 | 人工智能导论、计算机基础 | 专职 | 讲师 | 华侨大学 | 通信与信息系统 | 硕士 | 通信工程、计算机科学与技术 |
| 周小黎 | 女 | 33 | 物联网通信技术、数字信号处理 | 专职 | 讲师 | 华侨大学 | 通信与信息系统 | 硕士 | 移动通信、信号与信息处理 |
| 戴惠丽 | 女 | 27 | JAVA程序设计、Android移动应用开发 | 专职 | 讲师 | 福建师范大学 | 光学 | 硕士 | 移动应用开发 |
| 陈清婉 | 女 | 32 | 离散数学 | 专职 | 助教 | 集美大学 | 应用数学 | 硕士 | 偏微分 |
| 谢燕瑜 | 女 | 28 | 概率论与数理统计 | 专职 | 助教 | 闽南师范大学 | 概率论与数理统计 | 硕士 | 统计 |
| 蒋紫韵 | 女 | 30 | 数据库原理与应用、操作系统 | 专职 | 助教 | 中国矿业大学 | 仪器仪表工程 | 硕士 | 信息处理及状态监测 |
| 吴春法 | 男 | 33 | 信号与系统 | 专职 | 助教 | 华侨大学 | 信号与信息系统 | 硕士 | 通信系统 |

7.主要课程开设情况一览表

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **课程名称** | **课程总学时** | **课程周学时** | **拟授课教师** | **授课学期** |
| 高等数学 | 142 | 5 | 傅金波 | 1,2 |
| 线性代数 | 48 | 3 | 柳文清 | 1 |
| 计算机基础 | 64 | 4 | 王敬 | 1 |
| 电路分析基础 | 88 | 5 | 王树林 | 1 |
| C程序设计 | 80 | 5 | 张荣辉 | 1 |
| 大学物理 | 64 | 2 | 杨文琴 | 2,3 |
| 离散数学 | 64 | 4 | 陈清婉 | 3 |
| 概率论与数理统计 | 32 | 2 | 谢燕瑜 | 3 |
| 物联网系统安全 | 32 | 2 | 李宏华 | 2 |
| 模拟电子电路 | 64 | 4 | 李宏华 | 2 |
| 数字逻辑电路 | 64 | 4 | 江华丽 | 3 |
| 计算机网络 | 64 | 4 | 潘亚文 | 3 |
| 单片机原理与应用 | 48 | 3 | 张荣辉 | 3 |
| 嵌入式系统原理 | 64 | 4 | 潘亚文 | 4 |
| 数据结构 | 64 | 4 | 王春霞 | 4 |
| 数据库原理与应用 | 64 | 4 | 蒋紫韵 | 4 |
| 操作系统 | 64 | 4 | 蒋紫韵 | 4 |
| 物联网通信技术 | 64 | 4 | 周小黎 | 5 |
| 信号与系统 | 64 | 4 | 吴春法 | 5 |
| 物联网控制原理与技术 | 48 | 3 | 江华丽 | 5 |
| 数字信号处理 | 48 | 2 | 周小黎 | 5 |
| 算法分析与设计 | 64 | 3 | 傅金波 | 5 |
| 云计算技术 | 48 | 3 | 陈志德 | 5 |
| 传感器原理与信息感知技术 | 64 | 3 | 王树林 | 5 |
| JAVA程序设计 | 64 | 3 | 张荣辉 | 6 |
| 人工智能导论 | 48 | 2 | 王敬 | 6 |
| 软件工程 | 64 | 4 | 王春霞 | 6 |
| 物联网工程导论 | 64 | 4 | 陈志德 | 6 |
| 网络安全原理与技术 | 64 | 4 | 陈志德 | 6 |

 8.其他办学条件情况表

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 专业名称 | | 物联网工程 | | | | | | 开办经费及来源 | | 学院自筹 | | | | |
| 申报专业副高及以上职称(在岗)人数 | | | 6 | 其中该专业专职在岗人数 | | 17 | | 其中校内兼职人数 | | 0 | 其中校外兼职人数 | | | 1 |
| 是否具备开办该专业所必需的图书资料 | | | 是 | 可用于该专业的教学实验设备（千元以上） | | | 890（台/件） | | | 总 价 值  （万元） | | | 942.9 | |
| **序号** | **主要教学设备名称** | | | | **类型规格** | | | | **数量(台/件)** | | | **购入时间** | | |
| 1 | 光电交换机（网络交换） | | | | WS-C3660-24PS-s | | | | 1 | | | 2011 | | |
| 2 | 数据通信设备 | | | | CWSNM-1.5-K9 | | | | 1 | | | 2011 | | |
| 3 | 无线通信设备 | | | | AIR-WLC2106-K9 | | | | 2 | | | 2011 | | |
| 4 | 光电交换机（网络交换） | | | | WS-C3560-24TS-S | | | | 13 | | | 2011 | | |
| 5 | 桥－路由器 | | | | CISCO1841-SEC/K9 | | | | 5 | | | 2011 | | |
| 6 | 数据通信设备 | | | | CSACS-4.0-WIN-K9认证ACS软件 | | | | 2 | | | 2011 | | |
| 7 | 桥－路由器 | | | | CISCO 1841 | | | | 40 | | | 2011 | | |
| 8 | 计算机网络设备 | | | | ASA5505-BON-k9防火墙 | | | | 14 | | | 2011 | | |
| 9 | 光电交换机（网络交换） | | | | WS-C2960-24TT-L三层交换机 | | | | 15 | | | 2011 | | |
| 10 | 监听模块 | | | | WIC-2A/S=2端口串口模块 | | | | 40 | | | 2014 | | |
| 11 | 光电交换机（网络交换） | | | | WS-C3660-24PS-s | | | | 12 | | | 2011 | | |
| 12 | 数据通信设备 | | | | CWSNM-1.5-K9 | | | | 1 | | | 2011 | | |
| 13 | 无线通信设备 | | | | AIR-WLC2106-K9 | | | | 3 | | | 2011 | | |
| 14 | 数据通信设备 | | | | VIC2-2FXS语音网关模块 | | | | 2 | | | 2011 | | |
| 15 | 数据通信设备 | | | | CUVA-V2=IP电话视频套件 | | | | 2 | | | 2011 | | |
| 16 | 数据通信设备 | | | | SW-CCME-UL-7911IP电话7911G呼叫服务认证 | | | | 2 | | | 2011 | | |
| 17 | 实验控制器 | | | | H3CMSR 30-10 | | | | 8 | | | 2013 | | |
| 18 | 路由器 | | | | H3CMSR 30-10 | | | | 8 | | | 2013 | | |
| 19 | 路由器 | | | | H3CMSR 30-20 | | | | 8 | | | 2013 | | |
| 20 | 交换机 | | | | H3CS3600V2-28TP-EI | | | | 8 | | | 2013 | | |
| 21 | 交换机 | | | | H3C E126B | | | | 8 | | | 2013 | | |
| 22 | 交换机 | | | | H3C E552 | | | | 1 | | | 2013 | | |
| 23 | 无线控制器 | | | | H3CWX3010E-PoEP | | | | 2 | | | 2013 | | |
| 24 | 无线AP | | | | H3CWB2360X-ANP | | | | 2 | | | 2013 | | |
| 25 | 无线AP | | | | H3CWA2620i-AGN | | | | 2 | | | 2013 | | |
| 26 | 无线AP | | | | H3CWA3620i-AGN | | | | 2 | | | 2013 | | |
| 27 | UTM-1 | | | | H3C SecPath U200-M | | | | 1 | | | 2013 | | |
| 28 | UTM-2 | | | | H3C SecPath U200-S | | | | 1 | | | 2013 | | |
| 29 | OLT 以太网交换机 | | | | H3CS3600-2P-OLT | | | | 1 | | | 2013 | | |
| 30 | 服务器及云计算虚拟化平台 | | | | H3CFlexServer R390 | | | | 1 | | | 2013 | | |
| 31 | 云存储 | | | | HPP4500 2,12TB,MDL,SAS存储系统 | | | | 1 | | | 2013 | | |
| 32 | 云接入交换机 | | | | H3CS5820V2-54QS-GE | | | | 1 | | | 2013 | | |
| 33 | 可编程逻辑器件实验系统（EDA实验箱） | | | | EL-SOPC4000 | | | | 20 | | | 2014 | | |
| 34 | ARM嵌入式实验箱 | | | | JXARM9-2440 | | | | 31 | | | 2012 | | |
| 35 | 移动通信实验箱 | | | | LTE-YD-03A | | | | 31 | | | 2017 | | |
| 36 | 通信原理实验箱 | | | | LTE-TX-03A | | | | 31 | | | 2017 | | |
| 37 | 光纤通信原理实验系统 | | | | ZY11804H1 | | | | 4 | | | 2014 | | |
| 38 | 激光实验设备 | | | | GCS--HNGD-A | | | | 3 | | | 2014 | | |
| 39 | 光电倍增管实验仪 | | | | ZY12206C | | | | 3 | | | 2014 | | |
| 40 | DPSL实验设备 | | | | GCS-DPSL | | | | 3 | | | 2014 | | |
| 41 | 线阵CCD原理及应用实验仪 | | | | ZY12207C | | | | 3 | | | 2014 | | |
| 42 | 光纤器件与光通信原理实验设备 | | | |  | | | | 3 | | | 2014 | | |
| 43 | 光纤光谱仪应用综合实验设备 | | | |  | | | | 1 | | | 2014 | | |
| 44 | 光纤传感器实验设备 | | | | GSY-2000G | | | | 3 | | | 2014 | | |
| 45 | 全息实验仪 | | | | JT-CHQX | | | | 1 | | | 2014 | | |
| 46 | 高性能电工综合实验装置 | | | | KHDG-1 | | | | 10 | | | 2011 | | |
| 47 | 高频电子线路实验箱 | | | | ZY11701E | | | | 30 | | | 2014 | | |
| 48 | 模拟电路实验箱 | | | | THM-1 | | | | 25 | | | 2003 | | |
| 49 | 数字电路实验箱 | | | | THD-1 | | | | 25 | | | 2003 | | |
| 50 | 万用表 | | | | VC890D | | | | 25 | | | 2003 | | |
| 51 | 单片机开发系统 | | | | 超想3000TC | | | | 31 | | | 2007 | | |
| 52 | 电子设计仿真与实验系统V1.0 | | | | 风标Proteus | | | | 1 | | | 2008 | | |
| 53 | 数字万用表 | | | | MS8215 | | | | 31 | | | 2008 | | |
| 54 | 数字通信实验箱 | | | | HKSS-C | | | | 31 | | | 2008 | | |
| 55 | 微型计算教学实验系统 | | | | DVCC-8086JHN | | | | 31 | | | 2006 | | |
| 56 | 计算机组成原理实验系统 | | | | EL-JY-II | | | | 31 | | | 2007 | | |
| 57 | C51单片机仿真器 | | | |  | | | | 10 | | | 2009 | | |
| 58 | 数字程控交换原理实验箱 | | | | ZY11803E(贴片型） | | | | 31 | | | 2009 | | |
| 59 | 扫描仪-频率特性测试仪 | | | | BT-3C | | | | 10 | | | 2014 | | |
| 60 | 高频电磁波污染强度计 | | | | TM-196 | | | | 2 | | | 2014 | | |
| 61 | 半导体管特性图示仪 | | | |  | | | | 5 | | | 2014 | | |
| 62 | 掌上宽频LCR测量仪 | | | | TH-2822C | | | | 5 | | | 2014 | | |
| 63 | 直流稳压电源 | | | |  | | | | 9 | | | 2014 | | |
| 64 | 函数波形发生器 | | | | EM1634 | | | | 25 | | | 2014 | | |
| 65 | 数字示波器 | | | | UT-2102EE | | | | 30 | | | 2017 | | |
| 66 | 双踪示波器 | | | | YB4325 | | | | 30 | | | 2016 | | |
| 67 | 直流稳压电源 | | | |  | | | | 7 | | | 2014 | | |
| 68 | 数字存储示波器 | | | |  | | | | 5 | | | 2014 | | |
| 69 | 数字合成函数信号发生器 | | | |  | | | | 10 | | | 2014 | | |
| 70 | Zigbee智能控制机器人 | | | | RC-Car-III | | | | 31 | | | 2017 | | |
| 71 | 智能控制综合实验开发系统 | | | | RC-IOT-IV | | | | 31 | | | 2017 | | |
| 72 | ARM智能控制综合实验开发系统 | | | | RC-ARM-III | | | | 31 | | | 2017 | | |

 9.学校近三年新增专业情况表

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **学校近三年（不含本年度）增设专业情况** | | | | |
| 序  号 | 专业代码 | 本/专科 | 专业名称 | 设置年度 |
| 1 | 120105 | 本科 | 工程造价 | 2016 |
| 2 | 080907T | 本科 | 智能科学与技术 | 2017 |

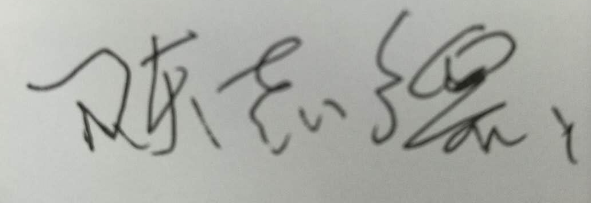
**物联网工程专业设置专家审议意见**

福建师范大学闽南科技学院设置物联网工程专业适应海西社会经济和我省高等教育发展需求。我国政府高度重视物联网的发展，将物联网列入国家重点发展的五大战略性新型产业之一。为了加快我省物联网的发展，福建省政府在《福建省加快物联网发展行动方案》中明确指出，将完善物联网产业体系，支撑智慧城市群建设。

泉州市作为打造物联网应用的全省首批物联网示范区，在《泉州市加快物联网发展行动方案（2013-2015年）》中提出以“智慧城市”建设为突破口，以打造泉州物联网通信传输产业基地为重点，积极构建物联网技术在经济发展、公共管理、民生服务等经济和社会发展重要领域的应用支撑作用。“建立多层次多类型的物联网人才培养和服务体系。支持市内更多高校设立物联网相关专业，推广校企合作培养模式，扩大人才培养规模”。

福建师范大学闽南科技学院现已开设电子信息工程、光电信息科学与工程、通信工程、计算机科学与技术、网络工程、信息工程、智能科学与技术等本科专业，可以为物联网工程专业提供良好的学科专业群落支撑。该专业教学团队自有师资配备较为充足，职称和学缘结构良好能较好的满足教学需求。具备开办物联网工程专业所需的实验室、图书资料、教学实践基地建设、教学管理制度建设等软硬件条件，专业人才培养目标定位准确。

经审议，同意申请增设“物联网工程”本科专业。



审议专家签字：

