

Master's Program in Information and Communication Engineering

Title/degree: Master of Engineering (M.E.)

Duration: 2-3 years, full-time

Start month: September

Language of instruction: English

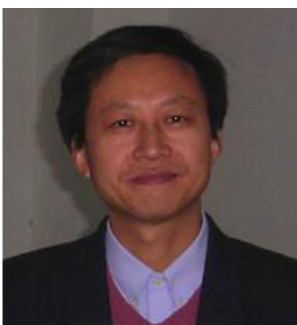
I. Program Description

The English-taught Master of Engineering (M.E.) in Information and Communication Engineering program extensively enrolls and cultivates worldwide master's degree students under the primary discipline Information and Communication Engineering, including the two sub-disciplines of Communication and Information Systems, Signal and Information Processing. The main research themes of the discipline relate to the access, processing, transmission, and control of information in various communication and information systems. The research fields cover wireless communication and remote monitoring, network communication and sensor network, internet of things, coding and information security, image processing and pattern recognition.

II. Why study Information and Communication Engineering at Donghua University?

1. *Our approach is pragmatic as well as theoretical. As an academic, we not only expect you to understand and make use of the appropriate tools, but also to program and develop your own.*
2. *There are plenty of high profile companies in the vicinity, where you could do an internship or the research for your Master's project.*
3. *Currently, we have more than 1000 students enrolled in the College of Information Science and Technology in Donghua University. They can enjoy the advantages of our faculty as there are:*
 - *Excellent support of the students from 11 professors and numerous scientific faculty members and tutors*
 - *Various courses of study, focused on different topics*
 - *Excellent scientific reputation (national and international).*

III. Participating Professors and Junior Scientists



Prof. Dr. 李德敏 Li Demin

Ph.D. Supervisor

Research Area: wireless networks, vehicular ad hoc networks

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Prof. Dr. 仇润鹤 Qiu Runhe
Ph.D. Supervisor
Research Area: Cognitive Radio Technology, intelligent detection setting & system
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Prof. Dr. 陈镜超 Chen Jingchao
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Research Area: Algorithm Design and Analysis, computer networks
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Prof. Dr. 王萍 Wang Ping
Ph.D. Supervisor
Research Area: Heterogeneous network optimization theory
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Prof. Dr. 张光林 Zhang Guanglin
Research Area: wireless networks, smart grid
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Prof. Dr. 蒋学芹 Jiang Xueqin
Research Area: communication systems, Channel coding
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Prof. Dr. 陈雯 Chen Wen
Research Area: Wireless resource management
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Prof. Dr. 刘堂友 Liu Tangyou
Research Area: digital image processing;
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Prof. Dr. 白恩健 Bai Enjian
Research Area: networks coding
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Prof. Dr. 葛华勇 Ge Huayong
Research Area: computer systems
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IV. Modules

C: compulsory course E: elective course CP: credit points

Consolidation Phase		
1st Year		
<i>C/E</i>	<i>Topic</i>	<i>CP</i>
<i>C</i>	<i>Modern Mathematical Methods</i>	<i>3</i>
<i>C</i>	<i>Modern Control Theory</i>	<i>3</i>
<i>C</i>	<i>Pattern Recognition: Theory and Technology</i>	<i>3</i>
<i>C</i>	<i>Intelligent Systems and Control</i>	<i>3</i>
<i>C</i>	<i>Introduction to China</i>	<i>2</i>
<i>C</i>	<i>Chinese Language</i>	<i>8</i>
<i>E</i>	<i>Embedded Systems: Theory and Application</i>	<i>3</i>
<i>E</i>	<i>Information Security of Networks</i>	<i>3</i>
<i>E</i>	<i>Data Mining</i>	<i>3</i>
<i>E</i>	<i>Internet of Things</i>	<i>3</i>
<i>E</i>	<i>Modern Signal Processing</i>	<i>3</i>
<i>E</i>	<i>Image Communication and Information Processing</i>	<i>3</i>

One needs to obtain 22CPs from compulsory courses and 12CPs from elective courses. These 34CPs should in general be acquired in the 1st year.

Scientific Phase		
2nd Year	<i>Thesis Proposal</i>	
3rd Year	<i>Final Defense</i>	
	<i>Concealed Evaluation</i>	

In case you experience any problems throughout your studies, please contact student advisors. They are ready to help you personally for all situations you might encounter.

Ms. Ai Xin.

V. Application Information

1. **Important deadlines for Applications**

Mar.31 (scholarship applicants)

Jun.30 (self-funding applicants)

Only the application materials and application fee received before the deadline (Beijing time) are valid.

2. **Application Details Step-by-Step**

Please refer to the postgraduate application guide Page 22-25 for details.

3. **Important Notes**

Once the documents are received, we will not send them back, so never supply any originals which you might need again. At the time of enrollment in our university, you will be required to present the original graduation or degree certificate (not the pending certificate but the final one).

