

國立成功大學電腦與通信工程研究所博士班規則

94.03.23 所務會議通過 94.05.31 所務會議修訂 94.10.13 所務會議修訂
95.11.09 所務會議修訂 96.03.29 通訊組會議修訂 96.04.12 電腦組會議修訂
96.04.26 通訊組會議修訂 96.05.11 電腦組會議修訂 96.07.09 學術委員會會議修訂
97.05.27 通訊組會議修訂 97.10.20 電腦通訊組會議修訂 98.01.12 學術委員會會議通過

國立成功大學電資學院電腦與通信工程研究所博士班規則（以下簡稱本規則），依本校教務規章訂定之。

1. 入學要求:

- (A)口試。
- (B)審查。
- (C)視需要得增加筆試。

2. 學分制度:

- (A) 依教育部有關法令辦理。
- (B) 碩士班修過之本校電資學院(以下簡稱本院)課程，博士班重覆選修者，該學分不予承認。
- (C) 畢業學分之承認依本所相關規定辦理。

3. 資格考試: 與電機系合併辦理

- (A) 資格考試：選考四科，本組至少三科。但於資格考規定期限內，經該組開會同意，學生得以各組畢業規定之國際權威期刊且為第一作者(指導教授外)之論文乙篇抵免一科，該抵免論文不得列入相關作者之畢業點數【97.05.27】。必選考科目辦法依據下列各組規定，其他科目得由本所、電機系及微電子所之博士班資格考科目中選考，科目選定後得更換一科(但考試次數累計)。

(B) 時間及次數:

資格考試每學期舉辦一次。各研究生於入學二年內必須決定選考科目及參加各科第一次考試。每科考試次數以四次為限，並必須於四年內通過所有資格考試。未依規定年限及次數完成者，由本所通知註冊組勒令退學。資格考試及格後之下一學期起方准申請畢業論文口試。

(C) 資格考科目如下：

甲組(電腦與網路組):

下列六科核心科目中任選至少兩科

- (1) Data Structure and Algorithms. (資料結構與演算法)
- (2) Computer Architecture (計算機結構)
- (3) Compiler (編譯器)
- (4) Operating Systems (作業系統)
- (5) Computer Networks (計算機網路)
- (6) Database Management Systems (資料庫管理系統)

下列十二科非核心科目中任選至少一科

- (1) Data Compression (資料壓縮)
- (2) Parallel and Distributed Processing (分散式處理系統)
- (3) Computer System Modeling and Performance Evaluation (計算機系統效能分析)
- (4) Expert system (專家系統)
- (5) **Computer Vision and Pattern Recognition (電腦視覺與識別)**
- (6) Neural Networks (類神經網路)
- (7) Computer Graphics (計算機圖學)
- (8) Object-Oriented Technology and Software Engineering (物件導向技術暨軟體工程)
- (9) Fault-Tolerant Systems (容錯系統)
- (10) Network Systems Design and Analysis (網路系統設計與分析)
- (11) Real-Time System (即時系統)
- (12) **Internet Multimedia Application (網際網路多媒體應用)**

乙組(通訊與網路組)：

下列科目中至少選三科：

- (1) Stochastic Processes (隨機程序)
- (2) Theory of Numbers (數論)
- (3) Pattern Recognition (圖訊識別) **【960329起取消該科】**
- (4) Communication Networks (通信網路)
- (5) Antenna Engineering (天線工程)
- (6) Advanced Electromagnetic Theory (高等電磁理論)
- (7) Cryptography (密碼學)
- (8) Video Engineering (視訊工程)
- (9) Error Control Code (錯誤控制編碼) **【960426起取消該科】**
- (10) Optical Communication System (光電通訊系統)
- (11) Microwave Engineering (微波工程)
- (12) RF Microwave Communication Circuits (射頻微波通訊電路)
- (13) Communication Theory(通訊理論)
- (14) Wireless Network and Application (無線網路與應用)
- (15) Network Analysis and Modeling (網路效能分析與模擬)
- (16) Wavelet Signal Processing (小波訊號處理) **【960329起增列該科】**
- (17) (賽局理論) **【980428起增列該科】**
- (18) (無線網路之控制與最佳化) **【980428起增列該科】**
- (19) (偵測與評估理論) **【980428起增列該科】**

4. 論文初審：

由各組先開會審查(請指導教授送該組召集人召開)，審查委員為各組專任教師三分之二(含)出席，並經秘密無記名投票獲三分之二(含)委員同意，方可送本所學術委員會審查。經本所學術委員會至少三分之二(含)出席，並經秘密無記名投票

獲三分之二（含）委員同意，再向電機系學術委員會報備後，才能提出畢業申請辦理論文口試。

各組審查會之會議記錄必須包括申請者發表論文之評點認定說明，論文是否具有完整性及創意性，傑出與否，修業年限，是否兼職。會議記錄及秘密無記名投票單密封再於每學期之公佈截止日期前（已達最後修業期限者原則上可於當學期結束一個半月前提出），提送本所學術委員申請開會審查。

5. 博士論文口試：

(A) 口試委員組織：

依研究生學位考試規則規定，由委員 5-9 人組成。校外委員至少逾三分之一，指導教授一人為當然委員，由校長指定一人為召集人主持之。校內外委員資格，均依規定辦理之。

(B) 論文發表之要求：

(1) 論文發表必須以成功大學電機系、電腦與通信工程研究所 (Institute of Computer and Communication Engineering, Department of Electrical Engineering, National Cheng Kung University) 名義發表，否則不予計點。論文發表必須符合下列兩者之一：

(a) 直接相關之國際權威期刊論文至少兩篇。

(b) 直接相關之國際權威期刊論文至少一篇及學術會議論文至少兩篇其中至少一篇為國際學術會議論文。

(2) 學術會議：

具有完整審查制度，並刊印有論文集之國際一流學術會議者。

(3) 在博士班內發表之不相關研究成果及非以本系、所為成果所屬機構者均不列入計算，論文須已刊登或無條件接受刊登者方得列入計算，兩篇或多篇論文重疊者，以一篇計算。

(4) 發表論文之作者，除該博士班研究生與指導教授外，如另有其他作者，應說明其在該一著作內之貢獻。每篇著作僅能供作一位研究生之申請參考，且該研究生之排名應位在指導教授外前二名中。

(5) 畢業時必須至少有一篇期刊論文排名，除本所指導教授外，在所有作者群中第一位。

(6) 未滿（含）三年申請畢業者需經本所學術委員會議，依特殊案件處理，並以無記名投票方式，由出席委員投票決定之，投票以一次為限，逾三分之二（含）以上評定為通過及格者方為通過，否則以不通過論。

(C) 論文口試：

(1) 成績以 100 分為滿分，70 分為及格，論文成績以各委員評定之平均分數決定之。

(2) 論文考試成績以出席委員投票之平均分數決定之，投票以一次為限，逾三分之二（含）以上評定為及格者方為及格，否則以不及格論。

(3) 考試委員不得委託其他委員或非委員代表。

6. 各組得另訂博士班畢業申請準則（如附件一、二），但需經學術委員會提所務會議通過方能實施，如與本規則抵觸者以本規則為準。
7. 本規則經所務會議通過後實施，本規則適用於通過日之後入學之學生，通過日之前入學之學生得選擇修正前或修正後之最新規則辦理。
8. 本所學術委員會若對申請者有疑義時，得視情況依特殊案件處理投票表決，投票方式依5B(6)規定。

§附件一、電腦與網路組博士班畢業申請準則

1. 可提出畢業申請之最低點數
 - a. 第四年以前(含第四年，不含休學年限)：16 點。
 - b. 第四年以後：12 點。
2. 畢業申請時論文必須滿足：
 - a. 第四年以前提出申請者，至少有一篇 8 點以上之期刊論文，另一篇為 6 點以上之期刊論文。
 - b. 第四年以後提出申請者，至少有一篇 6 點以上之期刊論文為代表作，除本系指導教授外，申請者必須為第一個作者及滿足下列要求之一。
 - (1) 另一篇 6 點以上之論文期刊。
 - (2) 另一篇 4 點以上論文期刊，再加一篇國際學術會議論文 1 篇。
 - (3) 學術會議論文兩篇，其中一篇為國際學術會議。
3. 論文計點方式，除指導教授外，論文排名第一者，以全點數計，論文排名第二者，以 1/2 計算，第三名以後不計分。
4. 論文被收到(Received)之時間須在博士班入學之後。
5. 兩篇(或多篇)重疊，但後者顯然非前者之突破者，視為一篇。
6. 兩篇重疊，一投在會議，一投在期刊(或投在不同之會議)，則以較高之點數計一次。
7. 博士班同學若已通過資格考試及畢業學分要求符合上列畢業最低點數要求，可經指導教授同意下向計算機組教師會議提出申請，計算機組所有老師將審核論文內容之獨創性、聯貫性及完整性，申請者對論文之貢獻程度，經過全體教師 2 / 3 (含) 以上同意 (採不記名投票) 後，由計算機組全體老師向所學術委員會議推薦。
8. 發表論文計點表：
點數
會議論文名稱 (Conference Papers)
 - 3 嚴格審查Full Paper之國際會議論文
 - 2 ICS
 - 2 NCS
 - 1 國內會議論文

點數

期刊論文名稱* (Journal Papers) (10點刊物之short paper 均為 6點)

10 ACM Computer Architecture News
10 ACM Computer Communication Review
10 ACM Computing Survey
10 ACM Journal of the ACM
10 ACM Operation System Review
10 ACM Software Engineering Notes
10 ACM Transactions Information and System Security
10 ACM Transactions on Computer Systems
10 ACM Transactions on Computer-Human Interaction
10 ACM Transactions on Database Systems
10 ACM Transactions on Design Automation of Electronic Systems
10 ACM Transactions on Graphics
10 ACM Transactions on Information Systems
10 ACM Transactions on Mathematical Software
10 ACM Transactions on Modeling and Computer Simulation
10 ACM Transactions on Office Information Systems
10 ACM Transactions on Programming Language and Systems
10 ACM Transactions on Software Engineering and Methodology
10 Communications of the ACM
10 European Journal of Operational Research
10 GNU 軟體發表視為 10 點之期刊論文
10 IEEE Computer
10 IEEE Computer Graphics and Applications
10 IEEE Design and Test of computers
10 IEEE Expert System
10 IEEE Journal of Robotics and Automation
10 IEEE Journal on Selected Areas in Communication Trans.
10 IEEE Micro
10 IEEE Network
10 IEEE Proceeding
10 IEEE Software
10 IEEE Trans. on Biomedical Engineering
10 IEEE Trans. on Fuzzy Systems
10 IEEE Trans. On Knowledge and Data Engineering
10 IEEE Trans. on Medical Imaging
10 IEEE Trans. on Neural Networks
10 IEEE Trans. on Vehicular Technology
10 IEEE Transactions on Communication
10 IEEE Transactions on Computer-Aided-Design
10 IEEE Transactions on Computers

10 IEEE Transactions on Dependable and Secure Computing
 10 IEEE Transactions on Image Processing
 10 IEEE Transactions on Information Technology on Biomedicine
 10 IEEE Transactions on Information Theory
 10 IEEE Transactions on Mobile Computing
 10 IEEE Transactions on Parallel and Distributed System
 10 IEEE Transactions on Parallel and Distributed Technology
 10 IEEE Transactions on Pattern Analysis and Machine Intelligence
 10 IEEE Transactions on Reliability
 10 IEEE Transactions on Robotics and Automation
 10 IEEE Transactions on Software Engineering
 10 IEEE Transactions on System , Man and Cybernetics
 10 IEEE Transactions on Visualization and Computer Graphics
 10 IEEE Transactions on VLSI Systems
 10 IEEE Transactions on Wireless Communication - Monthly
 10 IEEE/ACM Trans. on Networking
 10 [IEEE Trans. on Circuits and Systems for Video Technology](#)
 10 Journal of Algorithm
 10 Journal of Real-Time Systems
 8 Cluster Computing
 8 Computer Journal
 8 Computer Languages
 8 Computer Network and ISDN Systems
 8 [Concurrency and Computation: Practice & Experience \(980112學術委員會通過\)](#)
 8 [Future Generation Computer Systems - The International Journal of Grid Computing Theory Methods and Applications \(980112學術委員會通過\)](#)
 8 IEE Proceeding
 8 IEEE Engineering In Medicine and Biology Magazine
 8 IEEE Internet Computing
 8 IEEE Multimedia
 8 [IEEE Transaction on Education\(960709學術委員會通過增列\)](#)
 8 IEEE Wireless Communication (Formerly :IEEE Personal Communication)
 8 International Symposium on Computer Architecture
 8 J. of Biomedical Eng.
 8 Journal of Acoustic Society of America
 8 Journal of Parallel and Distributed Computing
 8 [Journal of Systems and Software \(980112學術委員會通過\)](#)
 8 Medical And Biological Engineering and Computing
 8 Mobile Computing and Communication Review (ACM Sigmobile)
 8 Neural Networks

8 Next Generation Computing
 8 Parallel Computing
 8 Pattern Recognition
 8 Science of Computer Programming
 8 SIAM Journal on Computing
 8 Software Practice and Experience
 8 Theoretical Computer Science
 6 ACM Letters on Programming Languages and Systems
 6 Acta Informatica
 6 Acta Radiologica
 6 Ad Hoc Networks
 6 Advanced In Engineering Software
 6 AI Applications
 6 AI Communications
 6 AI Edam-Artificial Intelligence For Engineering Design Analysis and
 Manufacturing
 6 AI Magazine
 6 American Journal of Radiology
 6 Annals of Biomedical Engineering
 6 Annals of Mathematics and Artificial Intelligence
 6 Annual Review of Information Science and Technology
 6 Applicable Algebra In Engineering Communication and Computing
 6 Applied Artificial Intelligence
 6 Applied Intelligence
 6 Applied Optics
 6 Applied Radiation and Isotopes
 6 Artificial Intelligence
 6 Artificial Intelligence in Engineering
 6 Artificial Intelligence in Medicine
 6 Artificial Intelligence Report
 6 Artificial Intelligence Review
 6 Australian Computer Journal
 6 Australian Journal of Information Systems
 6 Behavior and Information Technology
 6 Biomedical Engineering – Application, Basis, Communication
 6 British Journal of Biomedical Science
 6 British Telecommunications Engineering
 6 Computational Intelligence
 6 Computational Statistics and Data Analysis
 6 Computer

- 6 Computer Aided Geometric Design
- 6 Computer And Biomedical Research
- 6 Computer Communications
- 6 Computer Communications Review
- 6 Computer Graphics
- 6 Computer Methods and Programs in Biomedicine
- 6 Computer System Science and Engineering
- 6 Computer Vision , Graphics and Images Processing
- 6 Computer Vision and Image Understanding
- 6 Computer-Aided Design
- 6 Computerized Medical Imaging and Graphics
- 6 Computers & Education
- 6 Computers and Artificial Intelligence
- 6 Computers and Graphics
- 6 Computers in Biology and Medicine
- 6 Computing
- 6 Computing Systems
- 6 Concurrency
- 6 Concurrency---Practice and Experience ? 更正到8點?
- 6 Data and Knowledge Engineering
- 6 Data Base for Advances in Information Systems
- 6 Decision Support Systems (960528學術委員會通過增列)
- 6 Distributed and Parallel Databases
- 6 Distributed Computing
- 6 Educational Technology & Society
- 6 Electronics Letters Computer Vision Image Analysis (ELCVIA)
- 6 Engineering Applications of Artificial Intelligence
- 6 Engineering Intelligent Systems For Electrical Engineering and Communication
- 6 European Journal of Information Systems
- 6 European Journal of Nuclear Medicine
- 6 European Journal of Radiology
- 6 European Radiology
- 6 Expert Systems
- 6 Fuzzy Sets and Systems
- 6 Graphical Models and Image Processing
- 6 IEE Electronic Letter
- 6 IEE Proceeding---Computers and Digital Techniques
- 6 IEE Software Engineering Journal
- 6 IEEE Annals of the History of Computing

- 6 IEEE Communications Letters
- 6 IEEE Computational Science and Engineering
- 6 IEEE Photonics Technology Letters
- 6 IEEE Spectrum
- 6 IEEE Transaction on Broadcasting
- 6 IEICE Trans. (Japan)
- 6 Image And Vision Computing
- 6 Informatica -An International Journal of Computing and Informatics
- 6 Information and Computation
- 6 Information and Management
- 6 Information and Software Technology
- 6 Information and Systems Engineering (960528學術委員會通過停刊)
- 6 Information Processing and Management
- 6 Information Processing Letters
- 6 Information Science
- 6 Information Science Applications (960528學術委員會通過停刊)
- 6 Information Systems
- 6 Information Systems Research
- 6 Information Technology and Libraries
- 6 Integrated Computer-Aided Engineering
- 6 Interface Processing Letters
- 6 International Journal of Ad Hoc and Ubiquitous Computing
- 6 International Journal of Applied Software Technology (IJAST) (960528學術委員會通過停刊)
- 6 International Journal of Artificial Intelligence Tools (IJAIT)
- 6 International Journal of Bio-Medical Computing
- 6 International Journal of Clinical Monitoring and Computing
- 6 International Journal of Computational Geometry and Applications
- 6 International Journal of Computational Intelligence and Application (IJCIA)
- 6 International Journal of Computer Applications in Technology
- 6 International Journal of Computer Mathematics
- 6 International Journal of Computer Mathematics with Applications
- 6 International Journal of Computer Vision
- 6 International Journal of Computers and Applications
- 6 International Journal of Cooperative Information Systems
- 6 International Journal of Expert Systems
- 6 International Journal of Foundations of Computer Science
- 6 International Journal of High Speed Computing
- 6 International Journal of Human-Computer Interaction
- 6 International Journal of Imaging Systems and Technology

- 6 [International Journal of Innovative Computing, Information and Control<971020>](#)
- 6 International Journal of Intelligent Control and Systems (IJICS)
- 6 International Journal of Intelligent Systems
- 6 International Journal of Medical Informatics
- 6 International Journal of Modeling and Simulation
- 6 International Journal of Network Management (John Wiley & Sons, Inc.)
- 6 International Journal of Neural Systems
- 6 International Journal of Parallel and Distributed Systems and Networks
- 6 International Journal of Pattern Recognition and Artificial Intelligence
- 6 International Journal of Reliability, Quality and Safety Engineering
- 6 International Journal of Shape Modeling (IJSM)
- 6 International Journal of Software Engineering and Knowledge Engineering
- 6 International Journal of Supercomputer Applications and High Performance Computing
- 6 International Journal of Systems Science
- 6 International Journal of Uncertainty Fuzziness and Knowledge-Based Systems
- 6 International Journal of Visual Computing
- 6 International Symposium on Micro Architecture
- 6 Internet Computing
- 6 Int'l Journal of Parallel Programming
- 6 Investigative Radiology
- 6 Journal of Applied Systems Studies (JASS)
- 6 Journal of Artificial Intelligence Research
- 6 Journal of Biomedical Optics (JBO)
- 6 Journal of Computer and Software Engineering ([960528學術委員會通過停刊](#))
- 6 Journal of Computer and System Sciences ([960528學術委員會通過增列](#))
- 6 Journal of Computer and Systems Sciences International
- 6 Journal of Computing ([960528學術委員會通過停刊](#))
- 6 Journal of Digital Imaging
- 6 Journal of Electronic Imaging (JEI)
- 6 Journal of Experimental and Theoretical Artificial Intelligence
- 6 Journal of High Speed Networks
- 6 Journal of Information and Software Technology ([960528學術委員會通過增列](#))
- 6 Journal of Information Recording
- 6 Journal of Information Science
- 6 Journal of Information Systems
- 6 Journal of Information Technology
- 6 Journal of Intelligent and Fuzzy Systems
- 6 Journal of Intelligent and Robotic Systems
- 6 Journal of Intelligent Manufacturing

- 6 Journal of Medical Engineering and Technology
- 6 Journal of Microcomputer Applications
- 6 Journal of Microlithography, Microfabrication, & Microsystems (JM3)
- 6 Journal of Modern Optics
- 6 Journal of Network and Computer Applications
- 6 Journal of Neuroimaging
- 6 Journal of Object-Oriented Programming (960528學術委員會通過停刊)
- 6 Journal of Parallel Processing
- 6 Journal of Programming Languages
- 6 Journal of Robotic Systems
- 6 Journal of Scheduling (JS)
- 6 Journal of Software Maintenance and Evolution
- 6 Journal of Strategic Information Systems
- 6 Journal of Supercomputing
- 6 Journal of Systems and Software (960528學術委員會通過增列)?更正為8點
- 6 Journal of Systems Architecture
- 6 Journal of Systems Integration (960528學術委員會通過停刊)
- 6 Journal of The American Medical Informatics Association
- 6 Journal of The American Society For Information Science
- 6 Journal of The Optical Society of America A-Optics Image Science and Vision
- 6 Journal of Visual Communication and Image Representation
- 6 Journal of Visual Languages and Computing
- 6 Journal of Visualization and Computer Animation
- 6 Journal on Applied Signal Processing
- 6 Knowledge-Based Systems
- 6 Library Software View
- 6 Machine Vision and Applications
- 6 Mathematical and Computer Modeling
- 6 Mathematical and Computers In Simulation
- 6 Medical Education
- 6 Medical Engineering and Physics
- 6 Medical Informatics
- 6 Methods of Information in Medicine
- 6 Micro System Journal
- 6 Microprocessing and Microprogramming
- 6 Microprocessors and Microsystems
- 6 Mini-Micro Systems
- 6 Mobile Networks and Applications
- 6 Multidimensional Systems and Signal Processing
- 6 Multimedia Systems

- 6 Network-Computation in Neural Systems
- 6 Networks
- 6 Neural Computation
- 6 Neural Computing and Applications
- 6 Neural Processing Letters
- 6 Neurocomputing
- 6 Optical Engineering
- 6 Optics Communications
- 6 Optimization Method and Software
- 6 Pattern Recognition Letters
- 6 Performance Evaluation
- 6 [Proceedings of the IEEE](#)
- 6 Program-Electronic Library and Information Systems
- 6 SIAM Journal on Applied Mathematics
- 6 SIAM Journal on Discrete Mathematics
- 6 SIAM Journal on Mathematical Analysis
- 6 SIAM Journal on Matrix Analysis and Applications
- 6 SIAM Journal on Numerical Analysis
- 6 SIAM Journal on Optimization
- 6 SIAM Journal on Scientific Computing
- 6 Signal Processing (EuropeSP)
- 6 Software Quality Journal
- 6 Software-Concepts and Tools (960528學術委員會通過停刊)
- 6 Statistics and Computing
- 6 Statistics in Medicine
- 6 The Journal of The Usenix Association
- 6 The Visual Computer
- 6 Ultrasonic Imaging
- 6 **Journal Title: PHOTONIC NETWORK COMMUNICATIONS**
Publisher: SpringerLink
Impact Factor (2005): 0.944
- 4 All Referred Journals not enlisted above 經審查機制之論文
 以下增加期刊與建議點數(96.04.23學術委員會通過)
 - ✧ [EXPERT SYSTEMS WITH APPLICATIONS:6 點](#)
 - ✧ [ACM Transactions on Multimedia Computing, Communications and Applications : 10 點](#)
 - ✧ [2006-present : IEEE Transactions on Audio, Speech and Language Processing : 10 點](#)
 - ✧ [1993-2005 : IEEE Transactions on Speech and Audio Processing : 10 點](#)

- ✧ IEEE Transactions on Multimedia : 10 點
- ✧ ACM Transactions on Sensor Network (TOSN) : 10 點
- ✧ International Journal of Distributed Sensor Networks : 6 點
- ✧ Computers & education, ISSN: 0360-1315, Impact factor 0.968, SSCI and SCI, : 6 點
- ✧ Journal of Education Technology & Society, ISSN:1436-4522(online) and 1176-3647(print), impact factor 0.267, SSCI, : 4 點

Journal of Computer Assisted Learning, Impact Factor:0.566, SSCI, : 6點

*期刊論文 Journal Papers 為國內外嚴格審查之期刊論文

(注意事項：本準則如有與本所博士班規則抵觸者，以本所博士班規則為準)

§附件二、通訊與網路組博士班畢業申請準則

1. 可提出畢業申請之最低點數 (其中會議論文及專利至多 6 點)
 - a. 二年畢業 20 點
 - b. 三年畢業 18 點
 - c. 四年畢業 16 點
 - d. 五年以上畢業(含本所所有博士修業期間) 12 點
2. 發表之論文評點方法為：
 - a. 不得與碩士論文重複，但可為碩士論文之再推廣作品。
 - b. 期刊論文計點按附表一所列，未列出者以 4 點計算之。
 - c. 若以 4 點計算之期刊論文，且獲美國、日本或歐洲專利，或參加國內外部會級以上競賽獲第一名，或參加國際競賽獲優等以上獎項，則可提高至 6 點計算。
 - d. 畢業時必須至少有一篇 6 點以上之期刊論文為代表作，除本系指導教授外，申請者必須為第一個作者。
 - e. 所提論文接受或發表時間須為在本所博士班求學期間。
 - f. 每篇論文排名，除指導教授外，排第一名以全部點數計算，排名在第二名者以 1/2 點數計算，排名在第三名以後不計點。每篇論文只能為一位學生畢業時計點使用。
 - g. 論文(含專利)重疊且多投，擇其一計算。
3. 博士班同學若滿足下列所有條件：
 - a. 已通過資格考試及畢業學分要求者；
 - b. 符合下列畢業最低點數要求者；
 - c. 經指導教授同意，並取取得同意書者；

得向通訊與網路組之教師會議提出申請畢業。通訊與網路組所有老師將審核其論文內容之獨創性、聯貫性及完整性及評量申請者對論文之貢獻程度，經過全體教師採不記名投票三分之二(含)以上同意後，由通訊與網路組全體老師向所學術委員會會議推薦。

4. 本法適用於 94 年度(含)以後之所有通訊與網路組博士班同學，將來每年視需要得修正之。
5. 本準則如有與本所博士班規則抵觸者，以本所博士班規則為準。
6. 發表論文計點表：

點數 會議論文及專利名稱 (Conference Papers)

- 3 Crypto、Eurocrypto及Asiacrypto等國際會議論文
- 3 IEEE主辦之國際會議
- 3 國內外專利
- 2 其他國際會議論文
- 1 國內會議論文

點數 期刊論文名稱 (Journal Papers) (10點期刊之short paper 均為6點)

- 10 ACM Journal (Transactions)
- 10 IEEE Computer Graphics and Applications
- 10 IEEE J. of Selected Areas in Communication
- 10 IEEE J. on Solid State Circuits
- 10 IEEE Trans. on Aerospace and Electronic System
- 10 IEEE Trans. on Antenna Propagation
- 10 IEEE Trans. on Audio and Speech
- 10 IEEE Trans. on Biomedical Engineering
- 10 IEEE Trans. on Circuit and Systems (Part I、Part II、CAD)
- 10 IEEE Trans. on Circuits and Systems for Video Technology
- 10 IEEE Trans. on Communications
- 10 IEEE Trans. on Components, Hybrids & Manufacturing Technology
- 10 IEEE Trans. on Computers
- 10 IEEE Trans. on Electromagnetic Compatibility
- 10 IEEE Trans. on Fuzzy System
- 10 IEEE Trans. on Geoscience and Remote Sensing.
- 10 IEEE Trans. on Image Processing
- 10 IEEE Trans. on Information Theory
- 10 IEEE Trans. on Medical Imaging

- 10 IEEE Trans. on Microwave Theory & Techniques
- 10 IEEE Trans. on Neural Networks
- 10 IEEE Trans. on Pattern Analysis and Machine Intelligence
- 10 IEEE Trans. on Plasma Science
- 10 IEEE Trans. on Reliability
- 10 IEEE Trans. on Robotics and Automation
- 10 IEEE Trans. on Signal Processing
- 10 IEEE Trans. on Software Engineering
- 10 IEEE Trans. on System, Man and Cybernetics
- 10 IEEE Trans. on Vehicular Technology
- 10 IEEE Trans. on Visualization and Computer Graphics
- 10 IEEE Trans. on VLSI
- 10 IEEE Transactions on Mobile Computing
- 10 IEEE Transactions on Wireless Communication
- 10 IEEE Wireless Communication (Formerly : IEEE Personal Communication)
- 10 IEEE/ACM Trans. on Networking
- 10 IEEE/OSA Journal of Lightwave Technology
- 6 Journal of Optical Communication (96.04.23 學術委員會通過 10 點改成 6 點)
- 10 Radio Science
- 10 SIAM Journal (Transaction)
- 8 Computer Networks
- 8 Computer Vision, Graphic and Image Processing
- 8 Design, Codes and Cryptography
- 8 European Journal of Operational Research
- 8 IEE Proceedings (IET)
- 8 IEEE Communication Magazine
- 8 IEEE Microwave Magazine
- 8 IEEE Network Magazine
- 8 IEEE Personal Communication Magazine
- 8 IEEE Proceedings
- 8 IEEE Trans. on Instrumentation and Measurement
- 8 IEEE Trans. on Multimedia
- 8 Journal of Optical Society of American
- 8 Journal. of Cryptology
- 8 Operation Research
- 8 Performance Evaluation
- 8 Progress in Electromagnetics Research <971020>
- 6 ACM Sigcomm. Computer Communication Review
- 6 Aerospace & Electronic Systems Magazine
- 6 Ad Hoc Networks 6 點 (96.04.23 學術委員會通過)

- 6 [AI Communications](#) 6 點 (96.04.23 學術委員會通過)
- 6 Applied Mathematics and Computation
- 6 Applied Optics
- 6 Computer Communications
- 6 Computer Graphics
- 6 Computerized Medical Imaging and Graphics
- 6 Computers & Graphics
- 6 Computers and Electrical Engineering
- 6 Computers and Security
- 6 EURASIP Journal of Applied Signal Processing
- 6 Fuzzy Sets and Systems
- 6 IEEE Communications Letters
- 6 [IEEE Magazines \(Others\)](#)
- 6 IEEE Microwave and Wireless Components Letters
- 6 IEEE Photonic Technology Letter
- 6 IEEE Signal Processing Letter
- 6 IEEE Trans. on Consumer Electronics (包含完成硬體系統或 VLSI 電路)
- 6 [IEEE 其他期刊](#)
- 6 IEICE Trans.
- 6 Image and Vision Computing
- 6 International J. of Communication System
- 6 International Journal of Computer Vision
- 6 International Journal of Information Security
- 6 International Journal of Pattern Recognition and Artificial Intelligence
- 6 Journal of Communications and Networks
- 6 Journal of Visual Communication and Image Representation
- 6 [Journal of System and Software](#) (96.04.23 學術委員會通過)
- 6 [Journal of Systems Architecture](#) (96.04.23 學術委員會通過)
- 6 [Journal of High Speed Networks](#) (96.04.23 學術委員會通過)
- 6 [Journal of Information and Software Technology](#) (96.04.23 學術委員會通過)
- 6 [Journal of Computer and Systems Sciences](#) (96.04.23 學術委員會通過)
- 6 [Internet Computing](#) (96.04.23 學術委員會通過)
- 6 [International Journal of Systems Science](#) (96.04.23 學術委員會通過)
- 6 [International Journal of Network Management](#) (John Wiley & Sons, Inc.) (96.04.23 學術委員會通過)
- 6 [International Journal of Parallel and Distributed Systems and Networks](#) (96.04.23 學術委員會通過)
- 6 [International Journal of Computers and Applications](#) (96.04.23 學術委員會通過)
- 6 Journal of Visualization and Computer Animation

- 6 Journal of World Wide Web
- 6 Machine Vision and Applications
- 6 Mathematical and Computer Modeling
- 6 Mobile Networks & Applications
- 6 Networks
- 6 Optical Engineering (96.04.23 學術委員會通過 8 點改成 6 點)
- 6 Optical and Quantum Electronics
- 6 Optical Fiber Technology
- 6 Optical Memory and Neural Network
- 6 Optics and Laser Technology
- 6 Optics Communications
- 6 Optoelectronic Device Technology
- 6 Pattern Recognition
- 6 Queuing Systems
- 6 Real-Time Systems
- 6 Signal Processing (Europe SP)
- 6 Signal Processing : Image Communication
- 6 Speech Communication
- 6 Telecommunication Systems
- 6 Wireless Networks
- 6 Wireless Networks--Quarterly
- 6 Wireless Personal Communications

*期刊論文 Journal Papers 為國內外嚴格審查之期刊論文

(注意事項：本準則如有與本所博士班規則抵觸者，以本所博士班規則為準)