## 資訊工程學系進修學士班 111-112 學年度入學新生課程規劃表

校訂必修(通識核心課程) 共計26學分 系選修 20學分

類別		課程/學門	學分	開課年級
基本	外國語文學門	英文(一)	4	_
知	(Q)	大二外文自由選	4	
能	語文表達	中國語文能力表達	2	一下
(12)	學習與發展(N)	大學學習	1	一上
	社團學習與實作(K)	課外活動與團隊發展	1	一下
	探索永續/AI與	程式語言	1	一上
	人文領域	文學經典學門(L)	2	
		歷史與文化學門(P)		
通		哲學與宗教學門(V)		
護核心理		藝術欣賞與創作學門		
		(M)		1.每學門至多修習2科
	社會領域	全球視野學門(T)		
課程		未來學學門(R)	2	
(14)		社會分析學門(W)		
		公民社會及參與學門(S)		
		資訊教育學門(O)		
	科學領域	全球科技革命學門(Z)	2	
		自然科學學門(U)		
全民國防教育軍事訓練(一)-國防科技			0	
體育			0	
	校園與社	<sup>區</sup> 服務學習	0	

系訂必修 共計66學分

科目名稱	學分數	開課年級
計算機概論	3	1
網路概論	3	1
計算機程式語言	3/3	1
靜態網頁設計	3	1
Javescript網頁設計	3	1
開源軟體實務	3	1
機率統計	3	1
資料庫	3	2
資料結構與處理	3	2
行動裝置程式設計(一)	3	2
行動裝置程式設計(二)	3	2
Web程式設計(一)	3	2
Web程式設計(二)	3	2
資料分析(一)	3	2
資料分析(二)	3	2
演算法	3	3
作業系統	3	3
數據視覺化	3	3
人工智慧概論	3	3
專題製作(一)	3	3
專題製作(二)	3	3

科目名稱	學分數	開課年級
知識商務	3	Ξ
個人通訊系統	3	Ξ
統計學	3	=
無線區域及個人網路	3	= =
無線網路概論	3	Ξ
無線區域網路	3	=
電子商務概論	3	=
機器學習概論	3	=
深度學習概論	3	三
工程數學	3	三
組合語言與系統程式	3	Ξ
編譯程式	3	Ξ
虚擬化技術	3	Ξ
進階C語言實務	3	三
行動裝置程式設計	3	=
正規語言與自動機理論	3	四
雲端計算	3	四
多媒體處理技術	3	四
物件導向軟體工程	3	四
軟體專案管理	3	四
無線網路安全	3	四
資料探勘	3	四
管理資訊系統	3	四
網路安全	3	四
網路程式設計	3	四
影像處理	3	四
大數據分析技法	3	四
物聯網概論	3	四
數據科學實務:使用Python	3	四
物聯網安全	3	四
數位影像處專題	3	四
人工智慧之深度計算入門	3	四
資料壓縮	3	四
金融科技安全	3	四
資訊通訊安全管理	3	四
人工智慧與專家系統概論	3	四
決策支援系統	3	四
軟體開發與專案管理	3	四
<b>系統分析與設計</b>	3	四
JAVA程式設計	3	四
進階程式設計	3	四
企業系統開發實境	3	四
行動通訊安全	3	四
企業資訊系統	3	四
I	3	匹
資訊安全導論		
賞乱安全導論 		

## ◎系選修課程依當學期開課課程為主,以上列表僅供參考。

校訂必修: 26學分 系訂必修: 66學分 系選 修: 20學分 自由選修: 16學分

畢業總學分數:128學分

## Department of Computer Science and Information Engineering(Evening Bachelor Degree) 111-112 Academic Year Freshman Course Planning Table

**School Compulsory Courses** 26 Credits Field Course Name credit Grade 4 English (I) 1<sup>st</sup> year Foreign optional foreign language for Language (Q) 4 2nd year sophomore year Ability of Expressing in Ability of Expressing in Spoken 2 Fundamenta Spoken and 1<sup>st</sup> year and Written Chinese Written 1 courses Chinese (12)Learning and Development Learning in University 1 1<sup>st</sup> year Learning and Practice of Club Learning and Practice of Club 1  $1^{\rm st}$  year Exploring Sustainability / Al and 1/1  $1^{\rm st}$  year Programming Language Classics in World Literature General Education History and Culture(P) & Core 2 humanities Philosophy and Religion Courses (14)Arts Appreciation and Invention (M) Global Outlook (T) Each part from categories only can Futures Studies (R) Society and take up to 2 subjects 2 Social Analysis (W) Culture for 4 credits. Civil Society and Participation (S) Information & Computer Education (O) Scientific Global Technology 2 Inquiry Revolution (Z) Natural Sciences (U) All-Out Defense Education Military Training and 0 Nursing **Physical Education** 0 Campus And Community Service-Learning 0

Department Compulsory Courses 66 credits

Course Name	credit	Grade
Introduction to Computers	3	1 <sup>st</sup> year
Introduction to Computer Network	3	1 <sup>st</sup> year
Computer Programming	3/3	1 <sup>st</sup> year
Static Web Design	3	1 <sup>st</sup> year
Javascript Web Design	3	1 <sup>st</sup> year
Open Source Practice	3	1 <sup>st</sup> year
Probability and Statistics	3	1 <sup>st</sup> year
Database	3	2nd year
Data Structure & Processing	3	2nd year
Mobile Device Programming I	3	2nd year
Mobile Device Programming Ii	3	2nd year
Web Programming I	3	2nd year
Web Programming Ii	3	2nd year
Data Analysis I	3	2nd year
Data Analysis Ii	3	2nd year
Algorithms	3	3rd year
Operating Systems	3	3rd year
Data Visualization	3	3rd year
Introduction to Artificial Intelligence	3	3rd year
Special Project I	3	3rd year
Special Project li	3	3rd year

Department Elective Courses 20 Credits

Course NameCreekKnowledge Commerce3Personal Communication Systems3Statistics3Wireless Lans and Pans3Introduction Of Wireless Lan3Wireless Local Area Networks3Introduction to E-Business3Introduction to Machine Learning3Introduction to Deep Learning3Engineering Mathematics3Assembly Language and System Programs3Compilers3Virtualization Technology3Advanced C Programming3Formal Languages & Automata Theory3Cloud Computing3Multimedia Processing Technology3Object-Oriented Software Engineering3Software Project Management3Wireless Network Security3Data Mining3Management Information System3Network Programming3Image Processing3Big Data Analytic Techniques3Introduction To Internet of Things3Practical Data Science on Python3Security of The Internet of Things3Digital Image Processing Project3Introduction to Deep Computing In Artificial Intelligence3Data Compression3Fintech Security3Computer and Network Security3Omputer and Network Security3Omputer and Network Security3Omputer and Network Security3Omputer and Network Security<	20 Credits
Personal Communication Systems  Statistics  Wireless Lans and Pans Introduction Of Wireless Lan Wireless Local Area Networks Introduction to E-Business Introduction to Deep Learning Introduction Technology Introduction Technology Introduction To Internet of Things Introduction To Internet of Things Introduction To Deep Computing In Artificial Intelligence Interduction To Deep Computing In Artificial Intelligence Introduction to Deep Computing In Artificial Intelligence Introduction to Artificial Intelligence Introduction to Artificial Intelligence Introduction to Artificial Intelligence and Expert Systems Introduction to Artificial Intelligence Intel	lit Grade
Statistics 3 Wireless Lans and Pans 3 Introduction Of Wireless Lan 3 Wireless Local Area Networks 3 Introduction to E-Business 3 Introduction to Deep Learning 3 Introduction to Deep Learning 3 Introduction to Deep Learning 3 Engineering Mathematics 3 Assembly Language and System Programs 3 Compilers 3 Virtualization Technology 3 Advanced C Programming 3 Mobile Device Programming 3 Formal Languages & Automata Theory 3 Cloud Computing 3 Multimedia Processing Technology 3 Object-Oriented Software Engineering 3 Software Project Management 3 Wireless Network Security 3 Data Mining 3 Management Information System 3 Network Security 3 Network Programming 3 Introduction To Internet of Things 3 Introduction To Internet of Things 3 Digital Image Processing Project 3 Introduction to Deep Computing In Artificial Intelligence 3 Data Compression 3 Fintech Security 3 Computer and Network Security 3 Software Development 3 Systems 3 Software Development and Project Management 3 Systems 3 Software Development and Project Management 3 System Programming 3 Software Development 3 System Analysis and Design 3 System Programming 3 System Programmin	3rd year
Wireless Lans and Pans Introduction Of Wireless Lan Wireless Local Area Networks 3 Introduction to E-Business 1 Introduction to Deep Learning 3 Engineering Mathematics 3 Assembly Language and System Programs 3 Compilers 3 Virtualization Technology 3 Advanced C Programming 3 Mobile Device Programming 3 Formal Languages & Automata Theory 3 Cloud Computing 3 Multimedia Processing Technology 3 Object-Oriented Software Engineering 3 Software Project Management 3 Wireless Network Security 3 Data Mining 3 Management Information System 3 Network Programming 3 Image Processing 3 Introduction To Internet of Things 3 Practical Data Science on Python 3 Security of The Internet of Things 3 Introduction to Deep Computing In Artificial Intelligence Data Compression 3 Fintech Security 3 Computer and Network Security 3 Introduction to Deep Computing In Artificial Intelligence Data Compression 3 Fintech Security 3 Computer and Network Security 3 Introduction to Deep Computing In Artificial Intelligence Data Compression 3 Fintech Security 3 Computer and Network Security 3 Introduction to Artificial Intelligence and Expert Systems 3 Software Development and Project Management 3 System Analysis and Design 3 Java Programming 3 Advanced Computer Programming 3 Advanced Computer Programming 3 Workshop Of Enterprise System Development 3	3rd year
Introduction Of Wireless Lan  Wireless Local Area Networks  Introduction to E-Business Introduction to Machine Learning Introduction to Deep Learning Introduction Technology	3rd year
Mireless Local Area Networks  Introduction to E-Business Introduction to Deep Learning Introduction Technology Introduction To Internet of Things Introduction To Deep Computing In Artificial Introduction to Deep Computing In Artificial Intelligence Introduction to Deep Computing In Artificial Intelligence Introduction to Artificial Intelligence and Expert Systems Introduction to Artificial Intelligence	3rd year
Introduction to E-Business Introduction to Machine Learning Introduction to Deep Learning Introduction Mathematics Introduction Mathematics Introduction Mathematics Introduction Technology Introduction Technology Introduction Technology Introduction Technology Introduction Technology Introduction To Internet of Things Introduction to Deep Computing In Artificial Intelligence Introduction to Artificial Intelligence and Expert Introduction to Ar	3rd year
Introduction to Machine Learning Introduction to Deep Learning Introduction Search Programs Introduction Technology Introduction Technology Introduction To Internet of Things Introduction to Deep Computing In Artificial Intelligence Introduction to Artificial Intelligence and Expert Introduction to Artificial Intelligence and Intelligence Introduction to Artificial Intelligence and Programming Introduction to Artificial Intelligence and Programming Introduction to Artificial Intelligence and Programming Introduction to Artificial Intelligence and Expert Introduction Int	3rd year
Introduction to Deep Learning  Engineering Mathematics  Assembly Language and System Programs  Compilers  Virtualization Technology  Advanced C Programming  Mobile Device Programming  Formal Languages & Automata Theory  Cloud Computing  Multimedia Processing Technology  Object-Oriented Software Engineering  Software Project Management  Wireless Network Security  Data Mining  Management Information System  Network Programming  3 Image Processing  Big Data Analytic Techniques  Introduction To Internet of Things  Security of The Internet of Things  Digital Image Processing Project  Introduction to Deep Computing In Artificial Intelligence  Data Compression  Fintech Security  Computer and Network Security  13 Introduction to Artificial Intelligence and Expert Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  3 Advanced Computer Programming  3 Advanced Computer Programming  3 Advanced Computer Programming  3 Advanced Computer Programming	3rd year
Engineering Mathematics  Assembly Language and System Programs  Compilers  Virtualization Technology  Advanced C Programming  Mobile Device Programming  Formal Languages & Automata Theory  Cloud Computing  Multimedia Processing Technology  3 Object-Oriented Software Engineering  Software Project Management  Wireless Network Security  Data Mining  Management Information System  Network Programming  3 Image Processing  Big Data Analytic Techniques  Introduction To Internet of Things  Practical Data Science on Python  Security of The Internet of Things  Data Compression  Fintech Security  Computer and Network Security  3 Introduction to Deep Computing In Artificial Intelligence  Data Compression  3 Fintech Security  3 Computer and Network Security  3 Software Development and Project Management  3 Systems  Decision Support Systems  3 Software Development and Programming  3 Advanced Computer Programming  3 Advanced Computer Programming  3 Advanced Computer Programming	3rd year
Assembly Language and System Programs  Compilers  3  Virtualization Technology 3  Advanced C Programming 3  Mobile Device Programming 3  Formal Languages & Automata Theory 3  Cloud Computing 3  Multimedia Processing Technology 3  Object-Oriented Software Engineering 3  Software Project Management 3  Wireless Network Security 3  Data Mining 3  Management Information System 3  Network Security 3  Network Programming 3  Image Processing 3  Big Data Analytic Techniques 3  Introduction To Internet of Things 3  Practical Data Science on Python 3  Security of The Internet of Things 3  Digital Image Processing Project 3  Introduction to Deep Computing In Artificial Intelligence Data Compression 3  Fintech Security 3  Computer and Network Security 3  Introduction to Artificial Intelligence and Expert Systems Decision Support Systems 3  Software Development and Project Management 3  System Analysis and Design 3  Advanced Computer Programming 3  Advanced Computer Programming 3  Morkshop Of Enterprise System Development 3	3rd year
Compilers Virtualization Technology Advanced C Programming Advanced Computing Advanced Computing Advanced Computing Advanced C Programming Advanced Computing Advanced Computing Advanced Computer Programming	3rd year
Advanced C Programming  Advanced C Programming  Mobile Device Programming  Formal Languages & Automata Theory  Cloud Computing  Multimedia Processing Technology  Object-Oriented Software Engineering  Software Project Management  Wireless Network Security  Data Mining  Management Information System  Network Security  Network Programming  Image Processing  Big Data Analytic Techniques  Introduction To Internet of Things  Security of The Internet of Things  Digital Image Processing Project  Introduction to Deep Computing In Artificial  Introduction to Deep Computing In Artificial  Introduction to Deep Computing In Artificial  Introduction to Artificial Intelligence and Expert  Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  3  Workshop Of Enterprise System Development	3rd year
Advanced C Programming  Mobile Device Programming  Formal Languages & Automata Theory  Cloud Computing  Multimedia Processing Technology  Object-Oriented Software Engineering  Software Project Management  Wireless Network Security  Data Mining  Management Information System  Network Security  3  Metwork Programming  Image Processing  Big Data Analytic Techniques  Introduction To Internet of Things *  Practical Data Science on Python  Security of The Internet of Things  Digital Image Processing Project  Introduction to Deep Computing In Artificial Intelligence  Data Compression  Fintech Security  Computer and Network Security  Introduction to Artificial Intelligence and Expert Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Advanced Computer Programming  Advanced Computer Programming  3  Morkshop Of Enterprise System Development	3rd year
Mobile Device Programming  Formal Languages & Automata Theory  Cloud Computing  Multimedia Processing Technology  Object-Oriented Software Engineering  Software Project Management  Wireless Network Security  Data Mining  Management Information System  Network Security  3  Network Programming  Image Processing  Big Data Analytic Techniques  Introduction To Internet of Things *  Practical Data Science on Python  Security of The Internet of Things  Digital Image Processing Project  Introduction to Deep Computing In Artificial Intelligence  Data Compression  Fintech Security  Computer and Network Security  3  Software Development and Project Management  Systems  Decision Support Systems  Software Development and Project Management  3  Advanced Computer Programming  Advanced Computer Programming  Advanced Computer Programming  3  Workshop Of Enterprise System Development	3rd year
Formal Languages & Automata Theory  Cloud Computing  Multimedia Processing Technology  Object-Oriented Software Engineering  Software Project Management  Wireless Network Security  Data Mining  Management Information System  Network Security  Network Programming  Image Processing  Big Data Analytic Techniques  Introduction To Internet of Things  Security of The Internet of Things  Digital Image Processing Project  Introduction to Deep Computing In Artificial Intelligence  Data Compression  Fintech Security  Computer and Network Security  13 Computer and Network Security  13 Computer and Network Security  13 Computer and Network Security  14 Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Advanced Computer Programming  Advanced Computer Programming  Advanced Computer Programming  3 Workshop Of Enterprise System Development	3rd year
Multimedia Processing Technology  Object-Oriented Software Engineering  Software Project Management  Wireless Network Security  Data Mining  Management Information System  Network Security  3  Network Programming  Image Processing  Big Data Analytic Techniques  Introduction To Internet of Things  Security of The Internet of Things  Digital Image Processing Project  Introduction to Deep Computing In Artificial Intelligence  Data Compression  Fintech Security  Computer and Network Security  3  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Advanced Computer System Development  3  Software Development Programming  Advanced Computer Programming  Advanced Computer Programming  3  Software Development Programming  Advanced Computer Programming  3  Software Development Programming  3  Software Development Programming  Advanced Computer Programming  3  Software Development Programming  Advanced Computer Programming  3  Software Development Programming  3  Software Development Programming  Advanced Computer Programming  3  Software Development Programming  3  Software Development Programming  Advanced Computer Programming  3  Software Development Programming  3  Software Development Programming  Advanced Computer Programming  Advanced Computer Programming	3rd year
Multimedia Processing Technology  3 Object-Oriented Software Engineering 3 Software Project Management 3 Wireless Network Security 3 Data Mining 3 Management Information System 3 Network Security 3 Network Programming 3 Image Processing 3 Introduction To Internet of Things 3 Digital Image Processing Project 3 Introduction to Deep Computing In Artificial Intelligence 3 Data Compression 3 Introduction to Artificial Intelligence and Expert 3 System Analysis and Design 3 Java Programming 3 Advanced Computer Programming 3 Advanced Computer Programming 3 Advanced Computer System Development 3 Software Development and Project Management 3 Advanced Computer Programming 4 Advanced Computer Programming 5 Advanced Computer Programming 6 Advanced Computer Programming 7 Advanced Computer Programming 8 Advanced Computer Programming 9 Advanced Computer Programming	4th year
Object-Oriented Software Engineering  Software Project Management  Wireless Network Security  Data Mining  Management Information System  Network Security  Network Programming  Image Processing  Big Data Analytic Techniques  Introduction To Internet of Things  Security of The Internet of Things  Digital Image Processing Project  Introduction to Deep Computing In Artificial Intelligence  Data Compression  Fintech Security  Computer and Network Security  3 Computer and Network Security  Introduction to Artificial Intelligence and Expert Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Workshop Of Enterprise System Development  3 Software Development  3 Workshop Of Enterprise System Development	4th year
Software Project Management  Wireless Network Security  Data Mining  Management Information System  Network Security  Network Programming  Image Processing  Big Data Analytic Techniques  Introduction To Internet of Things *  Practical Data Science on Python  Security of The Internet of Things  Digital Image Processing Project  Introduction to Deep Computing In Artificial Intelligence  Data Compression  Fintech Security  Computer and Network Security  Introduction to Artificial Intelligence and Expert Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Workshop Of Enterprise System Development  3  Workshop Of Enterprise System Development	4th year
Wireless Network Security  Data Mining  Management Information System  Network Security  Network Programming  Image Processing  Big Data Analytic Techniques  Introduction To Internet of Things *  Practical Data Science on Python  Security of The Internet of Things  Digital Image Processing Project  Introduction to Deep Computing In Artificial Intelligence  Data Compression  Fintech Security  Computer and Network Security  Introduction to Artificial Intelligence and Expert Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Workshop Of Enterprise System Development  3	4th year
Data Mining  Management Information System  Network Security  Network Programming  Image Processing  Big Data Analytic Techniques  Introduction To Internet of Things *  Practical Data Science on Python  Security of The Internet of Things  Digital Image Processing Project  Introduction to Deep Computing In Artificial Intelligence  Data Compression  Fintech Security  Computer and Network Security  Introduction to Artificial Intelligence and Expert  Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Morkshop Of Enterprise System Development  3  System Development  3  Morkshop Of Enterprise System Development	4th year
Management Information System  Network Security  Network Programming  Image Processing  Big Data Analytic Techniques  Introduction To Internet of Things *  Practical Data Science on Python  Security of The Internet of Things  Digital Image Processing Project  Introduction to Deep Computing In Artificial Intelligence  Data Compression  Fintech Security  Computer and Network Security  Introduction to Artificial Intelligence and Expert Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Morkshop Of Enterprise System Development  3	4th year
Network Security  Network Programming  Image Processing  Big Data Analytic Techniques  Introduction To Internet of Things *  Practical Data Science on Python  Security of The Internet of Things  Digital Image Processing Project  Introduction to Deep Computing In Artificial Intelligence  Data Compression  Fintech Security  Computer and Network Security  Introduction to Artificial Intelligence and Expert Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Workshop Of Enterprise System Development  3  System Development  3  Workshop Of Enterprise System Development	4th year
Network Programming  Image Processing  Big Data Analytic Techniques  Introduction To Internet of Things *  Practical Data Science on Python  Security of The Internet of Things  Digital Image Processing Project  Introduction to Deep Computing In Artificial Intelligence  Data Compression  Fintech Security  Computer and Network Security  Introduction to Artificial Intelligence and Expert Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Workshop Of Enterprise System Development  3  System Development  3  Workshop Of Enterprise System Development  3	4th year
Network Programming Image Processing Big Data Analytic Techniques Introduction To Internet of Things * Practical Data Science on Python Security of The Internet of Things Digital Image Processing Project Introduction to Deep Computing In Artificial Intelligence Data Compression Fintech Security Computer and Network Security Introduction to Artificial Intelligence and Expert Systems Decision Support Systems Software Development and Project Management System Analysis and Design Java Programming Advanced Computer Programming 3 Workshop Of Enterprise System Development 3 Workshop Of Enterprise System Development	4th year
Image Processing  Big Data Analytic Techniques  Introduction To Internet of Things *  Practical Data Science on Python  Security of The Internet of Things  Digital Image Processing Project  Introduction to Deep Computing In Artificial Intelligence  Data Compression  Fintech Security  Computer and Network Security  Introduction to Artificial Intelligence and Expert Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Workshop Of Enterprise System Development  3  3  3  3  3  3  3  3  3  3  3  3  3	4th year
Big Data Analytic Techniques  Introduction To Internet of Things *  Practical Data Science on Python  Security of The Internet of Things  Digital Image Processing Project  Introduction to Deep Computing In Artificial Intelligence  Data Compression  Fintech Security  Computer and Network Security  Introduction to Artificial Intelligence and Expert  Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Workshop Of Enterprise System Development  3  System Development  3  Workshop Of Enterprise System Development  3  3  3  3  3  3  3  3  3  3  3  3  3	4th year
Introduction To Internet of Things * 3 Practical Data Science on Python 3 Security of The Internet of Things 3 Digital Image Processing Project 3 Introduction to Deep Computing In Artificial 3 Intelligence Data Compression 3 Fintech Security 3 Computer and Network Security 3 Introduction to Artificial Intelligence and Expert 3 Systems 3 Decision Support Systems 3 Software Development and Project Management 3 System Analysis and Design 3 Java Programming 3 Advanced Computer Programming 3 Workshop Of Enterprise System Development 3	4th year
Practical Data Science on Python  Security of The Internet of Things  Digital Image Processing Project  Introduction to Deep Computing In Artificial Intelligence  Data Compression  Fintech Security  Computer and Network Security  Introduction to Artificial Intelligence and Expert Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Workshop Of Enterprise System Development  3  System Development  3  Workshop Of Enterprise System Development  3  3  3  3  3  3  3  3  3  3  3  3  4  3  4  4	4th year
Security of The Internet of Things  Digital Image Processing Project  Introduction to Deep Computing In Artificial Intelligence  Data Compression  Fintech Security  Computer and Network Security  Introduction to Artificial Intelligence and Expert Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Workshop Of Enterprise System Development  3  3  3  3  3  3  3  3  3  4  3  4  4	4th year
Digital Image Processing Project Introduction to Deep Computing In Artificial Intelligence Data Compression 3 Fintech Security 3 Introduction to Artificial Intelligence and Expert Systems Decision Support Systems 3 Software Development and Project Management System Analysis and Design Java Programming Advanced Computer Programming 3 Workshop Of Enterprise System Development 3	4th year
Introduction to Deep Computing In Artificial Intelligence Data Compression 3 Fintech Security 3 Computer and Network Security 3 Introduction to Artificial Intelligence and Expert Systems Decision Support Systems 3 Software Development and Project Management 3 System Analysis and Design 3 Java Programming 3 Advanced Computer Programming 3 Workshop Of Enterprise System Development 3	4th year
Intelligence Data Compression 3 Fintech Security 3 Computer and Network Security 3 Introduction to Artificial Intelligence and Expert Systems Decision Support Systems 3 Software Development and Project Management 3 System Analysis and Design 3 Java Programming 3 Advanced Computer Programming 3 Workshop Of Enterprise System Development 3	4th year
Fintech Security  Computer and Network Security  Introduction to Artificial Intelligence and Expert Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Workshop Of Enterprise System Development  3  3  3  3  3  3  3  4  3  4  3  4  5  5  5  6  7  7  8  7  8  7  8  7  8  7  8  8  8	
Computer and Network Security  Introduction to Artificial Intelligence and Expert Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Workshop Of Enterprise System Development  3  3  3  3  3  3  3  3  3  3  4  3  4  4	4th year
Introduction to Artificial Intelligence and Expert Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Workshop Of Enterprise System Development  3  3  3  3  3  3  3  3  3  3  3  3  4  3  3	4th year
Systems  Decision Support Systems  Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Workshop Of Enterprise System Development  3  3  3  3  3  3  3  4  3  4  5  5  5  5  5  6  7  7  7  7  7  7  7  7  7  7  7  7	4th year
Software Development and Project Management  System Analysis and Design  Java Programming  Advanced Computer Programming  Workshop Of Enterprise System Development  3	4th year
System Analysis and Design 3  Java Programming 3  Advanced Computer Programming 3  Workshop Of Enterprise System Development 3	4th year
Java Programming 3 Advanced Computer Programming 3 Workshop Of Enterprise System Development 3	4th year
Advanced Computer Programming 3 Workshop Of Enterprise System Development 3	4th year
Workshop Of Enterprise System Development 3	4th year
	4th year
	4th year
Mobile Communications Security 3	4th year
Enterprise Information System 3	4th year
Introduction to Information Security 3	4th year

The department elective courses are mainly based on the courses offered in the current semester. The above list is for reference only.

<sup>(1)</sup>Total credits of compulsory subjects: 92 credits (including 26 credits of general education courses)

<sup>(2)</sup>Minimum total number of credits required for elective courses in this department: 20 credits.

<sup>(3)</sup>Total credits of other elective courses: 16 credits Total credits for graduation: 128 credits