

Attachment A
Kennesaw State MS in Computer Science Admission Requirements
附件 A
肯尼索州立大學資訊科學碩士學位入學條件

- Applicants have to enroll in CSIE, NCUE for at least one semester and take at least 12 credits.
研究生須於彰師大碩士班至少修讀一學期，修畢彰師大第一學期課程 12 學分(含)以上表現優良。
- Quota: It will be determined by both sides yearly.
名額:每年由本系與肯尼索州立大學商議後公佈。
- TOEFL/IELTS Score (See Attachment B)
英語能力標準(請參閱附件 B)
- Official college transcript sealed in an envelope by the school
由學校彌封之正式成績單
- Statement of Purpose
讀書計畫
- Undergraduate degree or equivalent
具本科學歷或同等學歷
- A completed application for admission on HobsonsRadius
(<http://graduate.kennesaw.edu/admissions/apply/program-information/compsci.php>)
完成國際線上申請
- Copy of pass port
護照影本

Attachment B
Kennesaw State English Language Requirement
附件 B
肯尼索州立大學英語語言標準

In addition to meeting all admission requirements outlined in Attachment A, NCUE students must fulfill the English language requirement for admission in one of the following:

除滿足附件 A 所列之入學要求，彰師大學生另須符合下列其中一項英語語言標準：

- a score of 550 on the paper-based TOEFL
paper-based TOEFL 須達 550 分
- a score of 213 on the computer-based TOEFL(CBT)
computer-based TOEFL 須達 213 分
- a score of 80 on the internet-based TOEFL (iBT)
internet-based TOEFL 須達 80 分
- a score of 6.5 on the International English Language Testing System(IELTS)
International English Language Testing System(IELTS)須達 6.5 分
- In case that TOEFL is below 80 (or 6.5), students may be admitted to take English courses at KSU.

若英語能力檢定未達上述標準，學生仍可選擇在 KSU 參加英語課程而參加本雙聯學制。

Attachment C
Kennesaw State University and National Changhua University of Education
Course mapping
 肯尼索州立大學與彰化師範大學課程對照表

Graduate students may transfer no more than 9 credit hours to KSU
 研究生修習彰師大課程後最多可在肯尼索所州立大學抵免 9 學分

Transfer Agreement for MS in Computer Science					
Kennesaw State University and National Changhua University of Education, Taiwan					
<i>KSU Course</i>	<i>KSU Course Title</i>	<i>Credit</i>	<i>NCUE Course</i>	<i>NCUE Course</i>	<i>Credit</i>
<i>Number</i>	<i>Title</i>	<i>Hours</i>	<i>Number</i>	<i>Title</i>	<i>Hours</i>
Required Common Core (12 hours)				NCUE Common Core	
CS 6021	Advanced Computer Architecture	3	1EICS2020530	Advanced Computer Architecture	3
CS 6041	Theory of Computation	3			
CS 6045	Advanced Algorithms	3	1EICS2019730	ADVANCED COMPUTER ARCHITECTURE	3
CS 6025 or CS 6027	Advanced Operating Systems	3			
	Advanced Computer Networking	3			
CS Elective Track (6 hours)					
High Performance Computing Track					
CS 7125	Cloud Computing	3			
CS 7172	Parallel and Distributed Computing	3	1EICS2151830	OPTIMIZED PARALLEL COMPUTING	3
CS 7174	Modeling and Simulation	3	1EICS2025430	QUEUING THEORY	3
Big Data Track					
CS 7260	Advanced Database Systems	3	1EICS2024430	SPECIAL TOPICS IN ADVANCED DATABASE	3
CS 7263	Text Mining	3	1EICS2154530	DATA MINING	3
CS 7265	Big Data Analytics	3			
CS 7267	Machine Learning	3			
Media, Graphics, and HCI Track					
CS 7327	Computer Graphics and Multimedia	3	1EICS2023030	COMPUTER GRAPHICS	3
CS 7367	Machine Vision	3	1EICS2017230	DIGITAL IMAGE PROCESSING	3
CS 7375	Artificial Intelligence	3	1EICS2132730	ARTIFICIAL INTELLIGENCE	3
Mobile and Game Track					
CS 7425	Wireless and Mobile Computing	3	1EICS2018530	WIRELESS COMMUNICATION NETWORKS	3
CS 7455	Mobile App Development	3			
CS 7457	Game Design and Development	3			
Cybersecurity Track					

CS 7530	Computing Security	3	1EICS2014630	CRYPTOGRAPHY & INFORMATION SECURITY	3
CS 7535	Computing Security: Implementation and Application	3			
CS 7537	Digital Forensics	3			
Additional CS Electives					
CS 7050	Data Warehousing and Mining	3			
CS 7060	Mobile Intelligence	3			
CS 7070	Advanced Networking Protocols	3	1EICS2025730	INTERNET PROTOCOLS	3
CS 7385	Human Factors	3			
CS 7827	Real Time Systems	3			
CS 7843	Theory of Programming Languages	3			
CS 7990	Special Topics in Computer Science	3	1EICS2152720 1EICS2153120 1EICS2152920	NETWORKED COMMUNICATION PROJECT I RESEARCH ON SOFTWARE DEVELOPMENT I THE RESEARCH PROJECT OF SYSTEM INTEGRATION I	2 2 2
CS 7991	Advanced Topics in Computer Science	3			
CS 7992	Directed Studies	3	1EICS2013730 1EICS2013830	THESIS SUPERVISION I THESIS SUPERVISION II	3 3
CS 7995	Internship	3			
CS 7xxx	Seminar (To be proposed)	1	1EICS2133810	SEMINAR	1
Thesis (6 – 9 hours)					
CS 7999	Thesis	3	1EICS2028100	THESIS	0
Approved Interdisciplinary Track Options (6 hours)					
Option One: Information Technology (6 Credit Hours)					
IT 6203	IT Design Studio	3			
IT 6413	IT Service Delivery	3			
IT 6423	IT System Acquisition & Integration	3			
IT 6823	Information Security Concepts & Administration	3			
IT 7833	IT Strategy, Policy, and Governance	3			
Option Two: MS in Applied Statistics (6 Credit Hours)					
STAT 7020	Statistical Computing and Simulation	3			
STAT 7100	Statistical Methods	3			
STAT 8020	Advanced Programming in SAS	3			
STAT 8210	Applied Regression Analysis	3			
STAT 8220	Time Series Forecasting	3			
STAT 8320	Applied Multivariate Data Analysis	3			
Option Three: Software Engineering (6 Credit Hours)					

SWE 6613	SWE 6613 - Requirements Engineering	3			
SWE 6623	Software Engineering	3	1EICS2026430	OBJECT-ORIENTED SOFTWARE ENGINEERING	3
SWE 6633	Software Project Planning & Management	3			
SWE 6673	Software Quality Engineering & Assurance	3			
SWE 6743	Object-Oriented Analysis & Design	3			
SWE 6823	Embedded Systems Analysis and Design	3	1EICS2023430	EMBEDDED SYSTEMS	3
SWE 6843	Embedded Systems Design and Construction	3			
Total Hours		36			