

Academic Plan: Kings Cornerstone International College Level 5 Higher National Diploma in Computer Programming to Elmhurst University Bachelor of Science, Computer Science

Kings Cornerstone International College (KCIC)		Elmhurst University	
Higher National Diploma Requirements	Semester Hours	Equivalencies at Elmhurst University	Semester Hours
Principles of Photography	4.0	Fine Arts Area of Knowledge	4.0
Contextual Studies	4.0	Historical Analysis Area of Knowledge	4.0
Cell Biology (Unit 4)	4.0	Life Science Area of Knowledge	4.0
Fundamentals of Chemistry (Unit 5)	4.0	CHM 101 - Physical Science Area of Knowledge	4.0
Programming (Unit 1)	4.0	CS 220 Computer Science I	4.0
Maths for Computing (Unit 14)	4.0	MTH 151 Calculus I	4.0
Data Structures and Algorithms (Unit 19)	4.0	CS 255 Computer Science II	4.0
Discrete Maths (Unit 18)	4.0	MTH 301 Discrete Mathematics	4.0
Architecture (Unit 37)	4.0	CS 310 Computer Organization & Programming in Assembly	4.0
Applied Programming and Design Principles (Unit 20)	4.0	CS 318 Object-Oriented Design and Programming Using C++	4.0
Networking (Unit 2)	4.0	CS 360 Computer Network Systems	4.0
Database Design & Development (Unit 4)	4.0	Elective Credit	4.0
Professional Practice (Unit 3)	4.0	Elective Credit	4.0
Security (Unit 5)	4.0	Elective Credit	4.0
Planning a Computing Project (Unit 6)	4.0	Elective Credit	4.0
Software Development Lifecycle (Unit 7)	4.0	Elective Credit	4.0
Computing Research Project (Unit 16)	4.0	Elective Credit	4.0
Business Process Support (Unit 17)	4.0	Elective Credit	4.0
Application Development (Unit 22)	4.0	Elective Credit	4.0
User Experience and Interface Design (Unit 36)	4.0	Elective Credit	4.0
Total KCIC Hours	80.0*		80.0
* Elmhurst will accept a maximum of 70 semester hours in transfer. Students will be required to complete a minimum of 58 semester hours at EU.			

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		Remaining Requirements at Elmhurst University	Semester Hours
		<p>Major Requirements CS 320 Data Structures and Algorithmic Analysis (4) CS 418 Artificial Intelligence (4) CS 419 Java Programming and Web Development -OR- CS 440 Web-based Applications (4) CS 420 Operating Systems (4) CS 435 Concepts of Programming Languages (4) CS 475 Software Engineering (4) CS/MATH 302 Discrete Math II: Structures and Algorithms (4)</p> <p>Degree Requirements ENG 105 Composition I (4) ENG 106 Composition II (4) Inquiry into Ethics and Justice Area of Knowledge (4) Religious Studies Area of Knowledge (4) Literature Area of Knowledge (4) Social and Political Analysis Area of Knowledge (4) Cognitive and Behavioral Sciences Area of Knowledge (4)</p> <p>And, any remaining Integrated Curriculum Requirements such as Tags or Proficiencies.</p>	<p>28.0</p> <p>30.0</p>
Total Degree Requirements			128.0