



MONROE COUNTY
COMMUNITY COLLEGE

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Press Release

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FOR IMMEDIATE RELEASE

MCCC ASSOCIATE PROFESSOR PENS
TEXTBOOK ON COMPUTER GAME PROGRAMMING

Cover Designed by MCCC Student

MONROE, Mich. – A Monroe County Community College faculty member has authored a textbook on programming techniques for two-dimensional computer games.

Chuck Kelly, associate professor of computer information systems, informed college officials earlier this week that his 438-page book, “Programming 2D Games,” has been published by A K Peters, Ltd./CTC Press.

Kelly is a resident of LaSalle.

According to the publisher’s Web site, “Most of today’s commercial games are written in C++ and are created using a game engine. Addressing both of these key elements, ‘Programming 2D Games’ provides a complete, up-to-date introduction to game programming. All of the code in the book was carefully crafted using C++. As game programming techniques are introduced, students learn how to incorporate them into their own game engine and discover how to use the game engine to create a complete game.”

The cover artwork for the book was designed by MCCC student Nicholas Wilson, who took on the project at the suggestion of his Photoshop instructor, CheriLea Morton. Morton teaches as an adjunct in the college’s Business Division.

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Topic covered in Kelly's book include sprites, animation, collision detection, sound, text display, game dashboards, special graphic effects, tiled games and network programming. The book systematically explains how to program DirectX applications and emphasizes proper software engineering techniques. Every topic is explained theoretically and with working code examples.

Example programs for each chapter are available at www.programming2dgames.com.

Kelly teaches numerous computer information systems classes at MCCC, including Computer Programming Concepts, Computer Science I, Discrete Structures, Java Programming, Web Script Programming, 3D Animation, Computer Science II, Beginning Game Programming, Assembly Language/Computer Architecture, Database Web Development and Advanced Database Web Development.

MCCC offers nine associate of applied science degrees and six certificate programs in the following CIS areas: accounting, computer programming, computer science, information assurance and security, PC support technician, system administration specialist, Web design and Web development.

The college has one 2+2 CIS transfer degree program agreement with the University of Michigan at Dearborn and two 2+2 CIS transfer degree program agreements with Eastern Michigan University. In addition, MCCC has one 3+1 CIS transfer degree program with Siena Heights University.

The 2+2 programs allows students to complete one of the specified associate of applied science degrees in CIS at MCCC and then transfer seamlessly to UM-D or EMU to earn a

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bachelor of science degree in computer and information systems, computer engineering or computer information systems.

The 3+1 program allows students to complete any of the associate of applied science in CIS degree programs at MCCC, take an additional 30 hours of MCCC courses at MCCC's tuition rate, and then transfer seamlessly to SHU – right on the MCCC campus – to take the final 30 hours courses to earn a bachelor of applied science degree.

