

INFORMATION TECHNOLOGY, INTERACTIVE MULTIMEDIA, ASSOCIATE IN APPLIED SCIENCE (IMM)

The Interactive Multimedia specialization prepares students for the design and development of multimedia programs and websites that combine a variety of audiovisual elements including text, graphics, audio, animation and video. The Interactive Multimedia specialization emphasizes the more popular multimedia development tools and programming languages used in industry today.

The Associate in Applied Sciences in the Information Technology (IT) Career Degrees at Delaware County Community College blends the theoretical with the practical. Students are offered a choice of specializations: Computer Programming, Game Development, Help Desk/Technical Support, Interactive Multimedia, Network Engineering, Mobile Computing and Web Development. Students have the benefit of classroom or online instruction, dedicated laboratory facilities and participation in co-curricular activities. Students in the IT Career Degrees are required to take program courses and related electives in their specialization as well as four IT core courses. In addition, students are required to take general education courses.

Program Outcomes

Upon successful completion of this program, students should be able to:

- Utilize essential steps of the multimedia design and development process including but not limited to needs assessment, target audience profile, media selection, storyboarding, materials development and evaluation.
- Determine the appropriate hardware, software and equipment specifications for multimedia programs or websites.
- Use industry standard applications to create text, graphics, audio, animation and/or video for multimedia programs or websites.
- Use scripting, programming and markup languages required for multimedia programs or websites.
- Create multimedia programs or websites that illustrate appropriate use of text, color, sound, video and/or interactivity.
- Examine requisite skills and careers related to multimedia and web development.

Curriculum

Course	Title	Hours
First Semester		
DPR 100	Introduction to Information Technology	3
IMM 200	UX Design	3
DPR 101	Introduction to Computer Science	3
ENG 100	English Composition I	3
Select one of the following:		3-4
MAT 120	Modern College Mathematics	
MAT 121	Introduction to Probability and Statistics	
MAT 135	Business Precalculus	
MAT 151	College Algebra	
MAT 160	Calculus I	
Hours		15-16

Second Semester		
ENG 112	English Composition II: Writing About Literature	3
IMM 110	Multimedia Graphics & Design	3
NET 110	Network Communications	3
DPR 110 or DPR 104	Introduction to C++ or Introduction to Java Programming	3
Mathematics Elective		3-4
Hours		15-16
Third Semester		
IMM 120	Web Page Design and Development	3
IMM 201	Audio and Video for Multimedia	3
DPR 210 or DPR 204	Object Oriented C++ or Intermediate Java Programming	3
Any transferable Diversity and Social Justice (DJ) and Global Understanding (GU) designated course		3
Any transferable Oral Communication (OC) designated course		3
Hours		15
Fourth Semester		
DPR 241	Mobile Web Development	3
DPR 250	Digital Portfolio Development	3
DPR course		3
Any transferable Scientific Inquiry (SI) designated science course		4
Humanities Elective		3
Hours		16
Total Hours		61-63

Notes

Diversity and Social Justice and Global Understanding designated courses. (https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#Dual_DJ_GU_CourseList)

Oral Communication designated courses (https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#OC_Course_List).

Scientific Inquiry designated courses (https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#SR_Course_List).

Humanities Elective - Career Program

This list does not indicate College Academic Learning Goal designation (<https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/>). Refer to your program curriculum for more information.

For career programs:

Code	Title	Hours
Courses listed under subject areas:		
ARB 101	Elementary Arabic I (or above)	3
ART 100	Art and Child Development (or above)	3
COMM 100	Interpersonal Communication (or above)	3
DRA 100	Introduction to Theatre (or above)	3
ENG 112	English Composition II: Writing About Literature (or above)	3
FRE 101	Elementary French I (or above)	3
GER 101	Elementary German I (or above)	3
HUM 100	Introduction to Visual Arts (or above)	3
ITA 101	Elementary Italian I (or above)	3
MUS 101	Fundamentals of Music (or above)	3

PHI 100	Introduction to Philosophy (or above)	3
SPA 101	Elementary Spanish I (or above)	3

Mathematics Elective:

Code	Title	Hours
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Select from one of the following sequences:

MAT 120 & MAT 121	Modern College Mathematics and Introduction to Probability and Statistics	6
MAT 135 & MAT 136	Business Precalculus and Business Calculus	6
MAT 151 & MAT 152	College Algebra and Precalculus	8
MAT 160 & MAT 161	Calculus I and Calculus II	8

Recommended DPR courses:

Students are required to complete one (1) Program elective from DPR.

Recommended DPR courses to select from include the following options:

Code	Title	Hours
DPR 206	PHP/MySQL	3
DPR 214	jQuery/JavaScript	3
DPR 222	Visual Basic Programming	4