

Emerging Media Technologies

Recommended and Required Program Scheduling

Courses marked **F*** are offered Fall Semester only.

Courses marked **S*** are offered Spring Semester only.

Media Design Concentration – Performance Design Career Track Example

FALL 1			SPRING 1		
Course Title	Course Number	Credits	Course Title	Course Number	Credits
Introduction to Media Design Process F*	MTEC1101/ IMT1101	3	Media Design Foundation S*	MTEC1210/ MTEC1201	3
Introduction to Media Production Practices F*	MTEC1102/ IMT1102	3	Tangible Media Foundation S*	MTEC1250/ MTEC1203	3
Media Technology Skills Labs I F*	MTEC1001/ IMT1100	1	Media Technology Skills Labs II S*	MTEC1002/ IMT1200	1
Computer Programming and Problem-Solving	CST 1101	3	Engineering Drawing 1	IND 1222	2
English Composition I	ENG1101	3	Math Concepts and Applications	MAT 1180	4
			Effective Speaking	SPE1330	3
Total Credits		13	Total Credits		16

FALL 2			SPRING 2		
Course Title	Course Number	Credits	Course Title	Course Number	Credits
Introduction to Film and Video	ADV 2320	3	Sound for Multimedia	ENT 3390	3
Ins & Outs of Physical Computing	ENT 2180	3	Performance Design I S*	MTEC2160/ MTEC2103	3
Interaction Design I F*	MTEC2120/ MTEC2101	3	Research & Documentation in the Information Age	LIB1201	3
Introduction to Entertainment Technology	ENT 1101	2	Principles of Science I with lab	PHYS1111	4
Quantitative Math	MAT 1280	4	Introduction to Psychology	PS 101	3
Total Credits		15	Total Credits		16

Media Design Concentration – Performance Design Career Track Example

FALL 3			SPRING 3		
Course Title	Course Number	Credits	Course Title	Course Number	Credits
Interdisciplinary Team Project I	MTEC 3800/ ENT3240	3	Internship (135 Field Hours)	ENT4900	3
Lighting Technology	ENT 1250	3	Topics and Perspectives in Emerging Technologies S*	ENT3140	3
Principles of Science II with lab	PHYS1112	4	History of Technology	HIS 3209	3
Project Management	ENT 4430	3	Concentration Elective		3
Concentration Elective		2	Concentration Elective		3
Media Technology Skills Labs III F*	MTEC 2001	1			
Total Credits		16	Total Credits		15

FALL 4			SPRING 4		
Course Title	Course Number	Credits	Course Title	Course Number	Credits
Interdisciplinary Team Project II	MTEC 4800/ ENT3241	3	Interdisciplinary Team Project III	MTEC 4801/ ENT4240	3
Intro to Lit. II - Drama	ENG2002	3	Portfolio Presentation	ENT4498	1
History of Theater	THE1280	3	Philosophy of Technology	PHIL 2106	3
Concentration Elective		3	Concentration Elective		3
Concentration Elective		3	Psychology of Visual Perception	PSY 3407	3
			Media Technology Skills Labs VI S*	MTEC 3002	1
Total Credits		15	Total Credits		14

TOTAL CREDITS FOR THE DEGREE: 120

Media Computing Concentration – Simulation and Game Technologies Career Track Example

FALL 1				SPRING 1			
Course Title		Course Number	Credits	Course Title	Course Number	Credits	
Introduction to Media Design Process	F*	MTEC1101/ IMT1101	3	Media Design Foundation	S*	MTEC1210/ MTEC1201	3
Introduction to Media Production Practices	F*	MTEC1102/ IMT1102	3	Tangible Media Foundation	S*	MTEC1250/ MTEC1203	3
Media Technology Skills Labs I	F*	MTEC1001/ IMT1100	1	Media Technology Skills Labs II	S*	MTEC1002/ IMT1200	1
Computer Programming and Problem-Solving		CST 1101	3	Engineering Drawing 1		IND 1222	2
English Composition I		ENG1101	3	Pre-Calculus		MAT 1375	4
				Effective Speaking		SPE1330	3
Total Credits			13	Total Credits			16

FALL 2				SPRING 2			
Course Title		Course Number	Credits	Course Title	Course Number	Credits	
Industrial Design I	F*	IND2313	2	Industrial Design II	S*	IND2410	3
Introduction to Psychology		PS 101	3	Simulation and Visualization		IND3550	3
Interaction Design I	F*	MTEC2120/ MTEC2101	3	Research & Documentation in the Information Age		LIB1201	3
Engineering Animation and Presentation	F*	IND2420	2	Discrete Structures and Algorithms I		MAT 2440	4
Programming Fundamentals (Java)		CST1201	3	Advanced Solids Modeling		IND 2304	2
Media Technology Skills Labs III (Elective)	F*	MTEC 2001	1				
Total Credits			14	Total Credits			15

Media Computing Concentration – Simulation and Game Technologies Career Track Example

FALL 3			SPRING 3		
Course Title	Course Number	Credits	Course Title	Course Number	Credits
Interdisciplinary Team Project I	MTEC 3800/ ENT3240	3	Internship (135 Field Hours)	ENT4900	3
3-D Animation and Modeling I	ADV 3640	3	Topics and Perspectives in Emerging Technologies	ENT3140	3
Physics1.2	PHYS1433	4	Physics2.2	PHYS1434	4
Project Management	ENT 4430	3	Advanced 3D Animation	IND4800	3
History of Technology	HIS 3209	3	Concentration Elective		3
Total Credits		16	Total Credits		16

FALL 4			SPRING 4		
Course Title	Course Number	Credits	Course Title	Course Number	Credits
Interdisciplinary Team Project II	MTEC 4800/ ENT3241	3	Interdisciplinary Team Project III	MTEC 4801/ ENT4240	3
Intro to Lit. II - Drama	ENG2002	3	Portfolio Presentation	ENT4498	1
History of Theater	THE1280	3	Philosophy of Technology	PHIL 2106	3
Concentration Elective		3	Concentration Elective		3
Concentration Elective		3	Psychology of Visual Perception	PSY 3407	3
Media Technology Skills Labs V (Elective) F*	MTEC 3001	1	Media Technology Skills Labs VI (Elective) S*	MTEC 3002	1
Total Credits		16	Total Credits		14

TOTAL CREDITS FOR THE DEGREE: 120

Entertainment Fabtronics Concentration – Tangibles, Mobiles and Fabrication Career Track Example

FALL 1			SPRING 1		
Course Title	Course Number	Credits	Course Title	Course Number	Credits
Introduction to Media Design Process	F* MTEC1101/ IMT1101	3	Media Design Foundation	S* MTEC1210/ MTEC1201	3
Introduction to Media Production Practices	F* MTEC1102/ IMT1102	3	Tangible Media Foundation	S* MTEC1250/ MTEC1203	3
Media Technology Skills Labs I	F* MTEC1001/ IMT1100	1	Media Technology Skills Labs II	S* MTEC1002/ IMT1200	1
Computer Programming and Problem-Solving	CST 1101	3	Engineering Drawing 1	IND 1222	2
English Composition I	ENG1101	3	Calculus I	MAT 1475	4
			Effective Speaking	SPE1330	3
Total Credits		13	Total Credits		16

FALL 2			SPRING 2		
Course Title	Course Number	Credits	Course Title	Course Number	Credits
Ins and Outs of Physical Computing	ENT1280	3	Principles of Electricity and Electronics	ETN 1102	4
Advanced Solids Modeling	IND 2304	2	Principles of Electric., Electronics & Computer Operation	ETN 1302	4
Interaction Design I	F* MTEC2120/ MTEC2101	3	Research & Documentation in the Information Age	LIB1201	3
Programming Fundamentals (Java)	CST1201	3	Introduction to Psychology	PS 101	3
Calculus II	MAT 1575	4	Media Technology Skills Labs IV (Elective)	S* MTEC 2002	1
Total Credits		15	Total Credits		15

Entertainment Fabtronics Concentration – Tangibles, Mobiles and Fabrication Career Track Example

FALL 3			SPRING 3		
Course Title	Course Number	Credits	Course Title	Course Number	Credits
Interdisciplinary Team Project I	MTEC 3800/ ENT3240	3	Internship (135 Field Hours)	ENT4900	3
Strength of Materials I	MECH1233	3	Topics and Perspectives in Emerging Technologies S*	ENT3140	3
Physics1.3	PHYS1441	4	Physics2.3	PHYS1442	4
Project Management	ENT 4430	3	Concentration Elective		3
History of Technology	HIS 3209	3	Concentration Elective		3
Total Credits		16	Total Credits		16

FALL 4			SPRING 4		
Course Title	Course Number	Credits	Course Title	Course Number	Credits
Interdisciplinary Team Project II	MTEC 4800/ ENT3241	3	Interdisciplinary Team Project III	MTEC 4801/ ENT4240	3
Intro to Lit. II - Drama	ENG2002	3	Portfolio Presentation	ENT4498	1
History of Theater	THE1280	3	Philosophy of Technology	PHIL 2106	3
Concentration Elective		3	Concentration Elective		3
Concentration Elective		3	Psychology of Visual Perception	PSY 3407	3
			Media Technology Skills Labs VI (Elective) S*	MTEC 3002	1
Total Credits		15	Total Credits		14

TOTAL CREDITS FOR THE DEGREE: 120