

## Tech Arts Training Program

### Saturday Course

18 weeks/ 126 class instructional hours  
3 individual instructional hours per student

*updated 6-12-15 pf*

*Occupational Areas:* (15-1132.00) Software Developers, Applications, (27-1014.00) Multimedia Artists and Animators

*Certification:* Alison Certified Learning: Diploma in Multimedia Development  
<https://alison.com/courses/Diploma-in-Multimedia-Development>

*Course Description:* This course will provide students an opportunity to earn a diploma in Multimedia Development and create four media projects for their portfolios. Students will learn the production techniques needed to create professional-looking videos, visual effects, motion graphics and animations and work with key multimedia tools including Adobe Photoshop, Windows Movie Maker, Adobe Premiere, Adobe Flash, Audacity, Adobe Audition and Adobe After Effects.

In addition to the production skills (above), students will gain experience in pre-production (brainstorming, writing, story boarding) and post production (sound and image editing, optimizing for the web and cross-platform deployment). Students will also interview for their desired positions on the media crew, comply with schedules and deadlines and learn valuable teamwork and organizational skills.

*Course Outcomes:* Students will graduate from this course with a *Diploma in Multimedia Development* and four multimedia projects in their portfolios. (Three of these are collaborative projects in which the student serves as a member of the production team and one is an individual project in which the student is responsible for all aspects of production - from storyboarding to post production - and has complete creative control over the final product.)

*Requirements:* To obtain the *Diploma in Multimedia Development*, students must complete all modules and score 80% or more in each of the course assessments. Good class attendance and participation in scheduled, individual troubleshooting sessions with instructor are critical to successful completion of this course.

Week	Date	Activity	Resources	Hours	Comments
1	8-29-15	Introductions, Class Overview	<a href="#">Pilot project</a>   <a href="#">What is Code?</a>		Discussion/ Presentation
		Review of Diploma Coursework	<a href="#">Diploma in Multimedia Development</a>		Review
		Crew Interviews			Discussion
		Brainstorming and Story Board Composition			Instruction
		Story Board Exercises	<a href="#">Online Storyboarding</a>		Class Exercise
		<i>Student Life Lessons: Writing and Story Boarding</i>			2.5
		Software Overview: Adobe Flash			Presentation
		Software Overview: Director MX			Presentation
2	9-5-15	Crew Assignments			
		Traditional Image Composition			Instruction
		Digital Image Editing Concepts			Instruction
		Adobe Photoshop Overview			Presentation
		Adobe Photoshop Exercise	Photoshop <a href="#">Graphics Editing</a>	1.5	Online Exercise
		Introduction: Audio Concepts, Recording, Interviewing Techniques			Presentation
Senior Interviews (3 Senior Subjects):				Guest Presenter	
		<i>Senior Life Lessons: Audio Recording (Crew Member)</i>		(3)	Production
		<i>Student Life Lessons: Audio Recording</i>		1	Production
3	9-12-15	Senior Subjects Overview/ Treatments			Instruction
		<i>Senior Life Lessons: Story Boarding (Crew Member)</i>		(2.5)	Production
		Others: Continue Previous Production Work			Production
		Introduce Timeline Concept/ Brainstorming Timelines	<a href="#">Amado's Timeline</a>		Instruction
		<i>Senior Life Lessons: Timeline Creation (Crew Member)</i>		(3)	Production
		<i>Student Life Lessons: Timeline Creation</i>		3	Production
		Continue Previous Production Work			Production/ Individual Instruction
4	9-19-15	Introduction: Central Image Composition	<a href="#">Helen's Portrait</a>		Instruction
		<i>Senior Life Lessons: Central Image Composition (Crew Member)</i>		(3)	Production
		<i>Student Life Lessons: Central Image Creation</i>		3	Production
		Continue Previous Production Work			Production/ Individual Instruction
		Introduction: Interactive Applications			Instruction

		Adobe Flash Overview			Presentation
		Adobe Flash Exercise	<a href="#">Create Interactive Quiz Questions</a> (Module 1 & 2)	2.0	Online Exercise
		Plan Senior Lesson interactivity/ Templates			Instruction
		Senior Life Lessons: Plan Interactivity (Crew Member)		(2)	Production
		Student Life Lessons: Plan Interactivity		2	Production
		Continue Previous Production Work			Production/ Individual Instruction
5	9-26-15	Introduction: Creating Interactivity			Instruction
		Adobe Flash and Director MX: Creating Interactivity	Compare: Interactivity <a href="#">Scripting with Lingo</a> and <a href="#">ActionScript</a>	2	Online Exercise
		Senior Life Lessons: Develop Interactivity (Crew Member)		(3)	Production
		Student Life Lessons: Develop Interactivity		3	Production
		Continue Previous Production Work			Production/ Individual Instruction
6	10-3-15	Introduction: Audio Editing			Instruction
		Audacity and Adobe Audition	<a href="#">Audio Editing</a>	1.5	Online Exercise
		Senior Life Lessons: Audio Editing (Crew Member)		(3)	Production
		Student Life Lessons: Audio Editing		3	Production
		Continue Previous Production Work			Production/ Individual Instruction
7	10-10-15	Introduction: Planning Animation (storyboard/ slideshow demo)			Instruction
		Senior Life Lessons: Planning Animation (Crew Member)		1	Production
		Student Life Lessons: Planning Animation		1	Production
		Continue Previous Production Work			Production/ Individual Instruction
		Director MX	<a href="#">Animating in Director</a> (brief overview)	1	Online Exercise
		Adobe After Effects	<a href="#">After Effects</a> : Puppet Animation in After Effects	3	Online Exercise
		Adobe Flash	Animating bitmap graphics with <a href="#">ActionScript3   Starling</a>	3	Online Exercise
		Senior Life Lessons: Creating Animation (Crew Member)		(1)	Production (intro)
		Student Life Lessons: Creating Animation		1	Production (intro)
		Continue Previous Production Work			Production/ Individual Instruction
8	10-17-15	Senior Life Lessons: Continue Animation (Crew Member)		(4.5)	Production
		Student Life Lessons: Continue Animation		4.5	Production
		Continue Previous Production Work			Production/ Individual Instruction
		Troubleshooting Projects		(2)	Individualized Instruction
9	10-24-15	Introduction: Video for the Web			Presentation
		Overview Video Editing			Instruction
		Windows Movie Maker and Adobe Premiere	<a href="#">Video Editing</a>	1.5	Online Exercise
		Continue Previous Production Work			Production/ Individual Instruction
10	10-31-15	Introduction: Video Editing Software			Instruction
		Premiere and Director MX	<a href="#">Handling Video</a> in Director vs Premiere	1.5	Online Exercise
		Optional Day: Open Lab			Production
		Project Mid-Semester Critiques			Discussion
		Troubleshooting Projects		(4)	Individualized Instruction
11	11-7-15	Introduction: Timing and Adding Edited Soundtrack			Instruction
		Director MX	<a href="#">Handling Sound</a> in Director vs Flash	1.5	Online Exercise
		Adobe Flash: Queue Point Method (D. Stiller)		2	Instruction/ Exercise
		Senior Life Lessons: Soundtrack (Crew Member)		(3)	Production
		Student Life Lessons: Soundtrack		3	Production
		Continue Previous Production Work			Production/ Individual Instruction
12	11-14-15	Introduction: Optimizing Bitmap Images for Web/Mobile	<a href="#">Adobe Optimization Docs</a>		Instruction
		Cross Platform Size Considerations			Instruction
		Scaling vs. Responsive Development			Instruction
		Senior Life Lessons: Optimizing Bitmaps (Crew Member)		(2)	Production
		Student Life Lessons: Optimizing Bitmaps		2	Production
13	11-21-15	Introduction: Optimizing Audio for Web/Mobile			Instruction
		Continue Previous Production Work			Production/ Individual Instruction
		Senior Life Lessons: Audio (Crew Member)		(2)	Production
		Student Life Lessons: Audio		2	Production
14	11-28-15	Responsive Design Principals	<a href="#">Responsive Design Approach</a>		Instruction/ Exercise
		Introduction: Developing for Kiosk			Instruction
		Introduction: Testing on Multiple devices			Instruction/ Exercise
		Senior Life Lessons: Cross-Testing (Crew Member)		(4.5)	Production
		Student Life Lessons: Cross Testing		4.5	Production
		Continue Previous Production Work			Production/ Individual Instruction
15	12-5-15	Introduction: Targeting Other Platforms (Using Phone Gap, etc.)	<a href="#">PhoneGap   JS Fiddle</a>		Instruction/Exercise
		Continue Previous Production Work/ Cross-Testing/ Optimizing		4	Production
		Introduction: Optimization for Multiple Devices	<a href="#">Optimizing for Web, cross platform deployment</a>	2	Instruction/Online learning
16	12-12-15	Final Production Day		6	Production
		Troubleshooting Projects		(6)	Individualized Instruction
		Continue Previous Production Work/ Cross-Testing/ Optimizing			Production/ Individual Instruction
17	12-19-15	Assessment for Diploma in Multimedia Development	<a href="#">Assessment</a>		Online Exam
		Web Development, Posting Final Products			Instruction/ Production
		Final Critique			Discussion
		Prepare for Show/ Installation			Production
18	1-9-16	Show (Kiosk Installation), Diploma presentation			
		Wrap Up/ Discussion and Feedback			Discussion
		Guest Speaker	TalTech or Sogeti		Presentation
		Further Opportunities (Program Overviews)	FSU, TCC, Kieser, ITT		Presentation
		Written Evaluations (by Students)			