

### Virtual Reality Program Education Outcomes with Curriculum

Course No.	Course Title	PE01	PE02	PE03	PE04
AR142	Introduction to Artificial Intelligence	√		√	
AR241	Artificial Intelligence Programming			√	
٣٠٨٠١١٠١	Computer Skills (2) for Science Colleges	√			
30801203	Object Oriented Programming	√		√	
30801204	Object Oriented Programming Lab.			√	
AR231	Introduction to Unix	√			
VAR202	Data Structures and Algorithms			√	
VAR204	Data Structures and Algorithms Lab.			√	
VAR111	Introduction to VR	√	√		√
VAR131	Mathematics for Computer Graphics	√	√		√
VAR132	Computer Graphics	√	√		√
30801243	Database Design and Management 1			√	
30801244	Database Design and Management 1 Lab.			√	
VAR112	Storyboard Creation for VR/AR	√	√		√
VAR212	Human Computer Interaction	√	√		√
VAR311	User-experience Design	√	√		√
VAR231	2D Animation	√	√		√
VAR233	2D Animation Lab.	√	√		√
VAR232	3D Modeling	√	√		√
VAR331	Texture Painting and Sculpting	√	√		√
VAR321	Game Design and Development	√	√		√
VAR323	Game Design and Development Lab.	√	√		√
30801348	Multimedia	√		√	
VAR302	Internet Application Programming	√		√	
30801347	Image Processing	√		√	
AR243	Machine Learning			√	
VAR464	Computer Vision			√	
VAR411	Designing and Building Virtual Environments	√	√		√
VAR366	Business Principles for VR	√	√		√
VAR441	Graduation Project (1)	√	√	√	
VAR442	Graduation Project (2)	√	√	√	
VAR451	Field Training for Virtual Reality Students	√	√	√	
VAR421	Virtual Reality on Mobile Platforms	√	√		√
VAR424	AI for Games	√		√	
VAR462	Special Topics in VR	√	√		√
VAR306	Parallel Processing	√		√	
30802441	Geographical Information Systems	√	√		√
VAR314	Digital Film making	√	√		√
VAR412	Introduction to Haptic Technology	√	√		√
VAR304	Advanced Programming	√		√	
30801342	Systems Analysis and Design	√		√	
VAR423	Internet of Things	√	√		√