

## PhD Program in VLSI Systems Laboratory

Focus Areas	Pre-requisites	Required Courses	Required Courses
<b>Digital</b>	<b>341</b>	<b>648</b>	<b>745/845</b>
	Digital System Design	Advanced Digital Design	Fault Tolerant Computing
<b>Architecture</b>	<b>443/543</b>	<b>643</b>	<b>747/847</b>
	Computer Architecture	Computer Architecture and Design	High Performance Computer Architecture <b>741/841</b> Formal Methods in Computer Design
<b>VLSI</b>	<b>495/595</b>	<b>795/895</b>	<b>796/896</b>
	VLSI System Design	VLSI Array Processor Design	VLSI Signal Processing Systems
<b>Systems Applications</b>	<b>481/581</b>	<b>782/882</b>	<b>783/883</b>
	Digital Signal Processing I	Digital Signal Processing II <b>781/881</b> Statistical Pattern Recognition	Digital Image Processing <b>795/895</b> Artificial Neural Systems