

### Sample Programs of Study.

**Example 1:** Case of a student who holds an M.S. degree in computer science and desires to specialize in distributed and parallel computing. The following table indicates which courses fill domain requirements.

<b>Courses</b>	<b>Domain</b>	<b>Credit hours</b>
CSC402, Compiler Design	C	4
CSC411, Computer Organization	B1	4
CSC415, Introduction to Parallel Computing	E2	4
CSC501, Programming Language Semantics	C	4
CSC505, Software Engineering	D	4
CSC512, Topics in Distributed Systems	B2	4
CSC544, Theory of Computation	A2	4
	Transferred from M.S.	28
CSC509, Object-oriented System Design	D	4
CSC517, Design and Analysis of VLSI Systems	B1	4
CSC519, Computer Networks	B2	3
CSC525, Simulation	E5	3
CSC541, Advanced Topics in Algorithms	A1	4
CSC547, Combinatorics and Graph Theory	E5	3
CSC581, Topics In Artificial Intelligence	E4	4
CSC591, Directed Study in Computer Science		3
CSC5xx, Research Seminar		2
	Total for courses	58
CSC699, Ph.D. Thesis Research		18
	Total credits	76

**Sample Programs of Study.**

**Example 2---**Case of a student who holds an M.S. degree in computer science and desires to specialize in database management for Bioinformatics systems. The following table indicates which courses fill domain requirements.

<b>Courses</b>	<b>Domain</b>	<b>Credit hours</b>
CSC402, Compiler Design	C	4
CSC412, Operating Systems	B2	4
CSC436, Database Management Systems	E1	4
CSC505, Software Engineering	D	4
CSC541, Advanced Topics in Algorithms	A1	4
CSC544, Theory of Computation	A2	4
CSC581, Topics in Artificial Intelligence	E4	3
STA532, Experimental Design		3
	Transferre d from M.S.	<hr/> 30
CSC509, Object-oriented System Design	D	4
CSC511, Advanced Computer Organization	B1	4
CSC536, Topics in Data Management Systems	E1	4
CSC592S, Bioinformatics	D	4
CSC592U, Data Mining	E1	4
STA541, Multivariate Statistical Methods		3
CSC5xx, Research Seminar		<hr/> 2
	Total for courses	55
CSC699, Ph.D. Thesis Research		<hr/> 18
	Total credits	<hr/> 73