

# My Schedule for Earning a Ph.D. in Computer Science

Chuck Cartledge

November 28, 2013  
(Rev. 11)

## 1 Ph.D. Related Classes and Major Events

I have drawn up a POAM to completing receiving a Ph.D. by the end of 2010. Table 1 (page 3) lays out the plan.

## 2 Declaration of Dissertation

To investigate and evaluate the possibility to build self-preserving digital objects (DO) whose potential longevity is better than the conventional human preservation approach.

- Current approaches are archive-centric and human action intensive
- A small percentage of errors become large numbers when the corpus is large
- Shift the preservation viewpoint from archive-centric to data-centric
- DOs that act autonomously based on locally gleaned data using parameters established when the DO was created

## 3 CS Related Classes Prior to Ph.D. Course Work

I have listed my ODU CS related course work in Table 2 (page 6).

Semester	Course number	Course title	Instructor	Completed?	$\Sigma$ Class Credits	$\Sigma$ Diss. Credits
Fall 2007	CS-852	Wireless Communications and Mobile Computing	Dr. Olariu	Yes	3	
Spring 2008	CS-690	Colloquium	Various	Yes	4	
	CS-875	Distributed Systems	Dr. Mukkamala	Yes	7	

(Continued on the next page.)

Table 1. (Continued from the previous page.)

Semester	Course number	Course title	Instructor	Completed?	$\Sigma$ Class Credits	$\Sigma$ Diss. Credits
	CS-891	Web Syndication Formats	Dr. Nelson	Yes	10	
Summer 2008	CS-697	Independent Study	Dr. Nelson	Yes	13	
Fall 2008	CS-690	Colloquium	Various	No	14	
	CS-872	Network Security	Dr. Wahab	Yes	17	
	CS-891	Graduate Seminar	Dr. Nelson	Yes	20	
Spring 2009	CS-595	Web Server Development	Dr. Nelson	Yes	23	
	CS-891	Graduate Seminar	Dr. Nelson	Yes	26	
Summer 2009	CS-891	Graduate Seminar	Dr. Nelson	Yes	29	
	CS-899	Dissertation Research	Dr. Nelson	Yes		3
Fall 2009	CS-899	Doctoral Dissertation	Dr. Nelson	Yes		9
	CS-896	Topics in Computer Science	Dr. Nelson	Yes	32	
Spring 2010	CS-899	Doctoral Dissertation	Dr. Nelson	Yes		15
Summer 2010	CS-899	Doctoral Dissertation	Dr. Nelson	Yes		18
	CS-891	Topics in Computer Science	Dr. Nelson	Yes	35	
Fall 2010	CS-899	Doctoral Dissertation	Dr. Nelson	Yes		24
	CS-895	Topics in Computer Science — Time on the Web	Dr. Nelson	Yes	38	

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Table 1. (Continued from the previous page.)

Semester	Course number	Course title	Instructor	Completed?	$\Sigma$ Class Credits	$\Sigma$ Diss. Credits
Spring 2011	CS-899	Doctoral Dissertation	Dr. Nelson	Yes		30
Summer 2011	CS-891	Graduate Seminar	Dr. Nelson	Yes	41	
	CS-899	Doctoral Dissertation	Dr. Nelson	Yes		33
Fall 2011	CS-899	Doctoral Dissertation	Dr. Nelson			39
	CS-895	Topics in Computer Science	Dr. Nelson		44	
	Candidacy Exam					
Spring 2012	CS-899	Doctoral Dissertation	Dr. Nelson			45
Summer 2012	CS-899	Doctoral Dissertation	Dr. Nelson			48
Fall 2012	CS-899	Doctoral Dissertation	Dr. Nelson			51
Spring 2013	CS-899	Doctoral Dissertation	Dr. Nelson			54
Summer 2012	CS-899	Doctoral Dissertation	Dr. Nelson			57
Fall 2013	CS-899	Doctoral Dissertation	Dr. Nelson			60
Spring 2014	CS-899	Doctoral Dissertation	Dr. Nelson			63
	Doctoral defense					

Table 1: A timeline showing courses, instructors and current completion status designed to meet the Ph.D degree requirements. Specifically, to accumulate at least 27 credit hours of class work and 24 credit hours of dissertation research.



## 4 Revision History

1. May 5, 2008 — Original
2. May 27, 2008 — Minor editorial corrections, update of completion status column in Table 1, updated list of completed courses in Table 2.
3. August 29, 2008 — Updated list of completed courses in Table 2, added a revision history section.
4. December 16, 2008 — Updated list of completed courses in Table 1, removed Ph.D related courses from Table 2 because the information was already included in Table 1, and minor editorial corrections.
5. June 11, 2009 — Updated list of completed course in Table 1. and added PhD thesis statement.
6. September 5, 2009 — Updated list of completed course in Table 1.
7. January 5, 2010 — Updated list of completed course in Table 1.
8. May 10, 2010 — Updated list of completed course in Table 1.
9. September 10, 2010 — Updated list of completed course in Table 1.
10. November 2, 2011 — Updated list of completed course in Table 1.
11. November 28, 2013 — Updated list of completed course in Table 1.

Semester	Course number	Course title	Instructor
Spring 1982	CS-220	Assembly Language Programming	Dr. Wilson
	CS-456	Data Base System Design	Unk.
Fall 1982	CS-361	Data Structures	Unk.
	CS-566	Micro Processor and Micro Computing	Unk.
Spring 1983	CS-306	Ada Programming	Unk.
	CS-576	System Programming Design	Unk.
	CS-582	Mini Computer Systems	Unk.
Summer 1983	CS-560	Computer Graphics	Unk.
Fall 1983	CS-580	Artificial Intelligence	Unk.
	CS-871	Operating System Design	Unk.
Spring 1984	CS-600	Design and Implementation of Programming Languages	Unk.
	CS-893	Data Bases	Unk.
Fall 1984	CS-555	Data Communication Systems	Unk.
	CS-696	Master's Seminar	Unk.
Spring 1985	CS-303	Lisp Programming	Unk.
	CS-550	Data Base Concepts	Unk.
Fall 1994	CS-595	Topics Computer and Information Super Highway	Unk.
Spring 1995	CS-512	Object-Oriented Programming and Reuse	Mr. Price
Fall 1995	CS-576	System Program Design	Unk.
Spring 1998	CS-555	Introduction to Networks and Communications	Unk.
	CS-665	Computer Architecture	Unk.
Fall 1998	CS-600	Algorithms and Data Structures	Dr. Toida
	CS-795	Advanced Internet Database Issues	Unk.
Spring 1999	CS-690	Colloquium	Various
	CS-698	Master's Project	Dr. Wahab
	CS-778	Networked Multimedia Systems	Dr. Wahab
Fall 1999	CS-635	Parallel Computer Architecture	Dr. Pothen
	CS-775	Distributed Systems	Dr. Mukkamala
Spring 2003	CS-550	Database Concepts	Dr. Levinstein
	CS-600	Algorithms and Data Structures	Dr. Olariu
Summer 2003	CS-699	Thesis Research	Dr. Grosch
Fall 2003	CS-699	Thesis Research	Dr. Grosch
Spring 2004	CS-891	Digital Preservation	Dr. Nelson
Fall 2006	CS-851	Introduction to Digital Libraries	Dr. Nelson
Spring 2007	CS-891	Technologies of Google	Dr. Nelson

Table 2: A timeline showing courses and instructors of CS classes taken at ODU.