

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW/CHANGE PROGRAM REQUEST</b> <b>Graduate Programs</b>	UGPC Approval _____ UFS Approval _____ Banner Posted _____ Catalog _____
	<b>Department</b> Center for Complex Systems & Brain Sciences <b>College</b> Science	
<b>Program Name</b> Complex Systems & Brain Sciences	<input type="checkbox"/> <b>New Program</b> <input checked="" type="checkbox"/> <b>Change Program</b>	<b>Effective Date</b> (TERM & YEAR) Fall 2018
<b>Please explain the requested change(s) and offer rationale below or on an attachment</b>  1) Current catalog has Introduction to Dynamical Systems & Chaos as a required course. This course has been substituted by Nonlinear Dynamic Systems (ISC 5453) and approved by the Graduate Program Committee probably Spring 2014  2) Proseminar should also be in the catalog listed as "required".  3) The non-required credits can be distributed at the discretion of the student & advisor.		
<b>Faculty Contact/Email/Phone</b> Steven Bressler/bressler@fau.edu/7-2227	<b>Consult and list departments that may be affected by the change(s) and attach documentation</b> Complex Systems	
<b>Approved by</b> Department Chair _____ College Curriculum Chair _____ College Dean _____ UGPC Chair _____ UGC Chair _____ Graduate College Dean _____ UFS President _____ Provost _____	<b>Date</b> 4-19-2018 8-13-2018 9-13-2018	

Email this form and attachments to [UGPC@fau.edu](mailto:UGPC@fau.edu) one week before the UGPC meeting so that materials may be viewed on the UGPC website prior to the meeting.

GRADUATE COLLEGE

AUG 13 2018

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## Degree Requirements

Students must complete, with grades of "B" or better, a minimum of 80 graduate credits. This must include the following ~~five~~ **six** core courses: Cognitive Neuroscience, ~~Introduction to Dynamical Systems and Chaos,~~ **Nonlinear Dynamic Systems**, Methods in Complex Systems, Neuroscience 1 and 2, and **Proseminar – Research in Complex Systems**. Students must also participate in a weekly ~~proseminar and~~ journal club. ~~Five additional 3-credit courses must be completed successfully, chosen from those courses offered by program faculty.~~ The remaining credits may be completed through additional courses, directed research and doctoral thesis credits at the discretion of the student and advisor. **A minimum of 12 dissertation credits is required.** In addition, the student must complete a research paper, directed by program faculty, by the end of the second year.

A central requirement for the Ph.D. degree program is submission and defense of a dissertation based on original work in an area of specialization acceptable to the student's doctoral committee. Approval of a dissertation proposal by the doctoral committee must precede the experimental and/or theoretical work required.

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