Sample Four-Year Sequence for GSAS Major
Cognitive Science Concentration: 128 credits

Freshman Year					
Fall Semester			**Spring Semester**		
MATH-1010	Calculus I	4		Math Option	4
GSAS-1040	Art for Interactive Media	4	CSCI-1200	Data Structures	4
CSCI-1100	Computer Science	4	GSAS -1600	History & Culture of Games	4
GSAS -2540	Intro to Game Programming	4	GSAS -2510	Intro to Game Design	4
Sophomore Year					
Fall Semester			**Spring Semester**		
GSAS -4520	Game Development I	4	GSAS -4540	Game Development II	4
	COGS Concentration Course	4		COGS Concentration Course	4
GSAS -2520	Intro Game Storytelling	4		COGS Concentration Course	4
PHYS-1100	Physics I	4		Science Elective	4
Summer Arch & Junior Year					
Summer Arch Semester			**Fall or Spring Semester***		
	HASS Human Elective	4	GSAS -4510	Experimental Game Design	4
	Free Elective	4		COGS Concentration Course	4
	Free Elective	4		COGS Concentration Course	4
	HASS Social Science Elective	4		Free Elective	4
Senior Year					
Fall Semester			**Spring Semester**		
	HASS Social Science Elective	4		HASS Depth Elective	4
GSAS-4940	GSAS Research Project	4		COGS Concentration Course	4
	COGS Concentration Course	4		COGS Concentration Course	4
	HASS Depth Elective	4		COGS Concentration Course	4

FOOTNOTES:

1. *Students with sufficient programming background may substitute another Computer Science course.*

2. *MATH OPTION: MATH-4030 Computability and Logic (cross-listed with PHIL-4420) <u>OR</u> any MATH or MATP at 2000 level or higher level (except MATH-2800).*

3. *GSAS-1600 History and Culture of Games is a GSAS course counted in the HASS Core as a Humanities course.*

   Guidelines for HASS Core:

   - *2 course in ARTS/COMM/IHSS/LANG/LITR/PHIL/STSH/WRIT*
   - *2 courses in COGS/ECON/IHSS/PSYC/STSS*
   - *Max 3 1000 level; Min 1 4000 level*
   - *2 course depth sequence (same department prefix, only 1 at 1000 level).*
   - *Suggestions: COMM-4240 Writing For Games I, COMM-4250 Writing for Games II, COGS-49xx Learning and Advanced Game AI, ARTS-1020 Media Studio: Imaging, ARTS-1xxx Media Studio: Video/Audio.*