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## Planning Sheet: BACHELOR OF SCIENCE in BIOPSYCHOLOGY

(Effective Fall 2013. 50-52 semester credits required for this major)

### Psychology Required Courses

Term	Grade	Course #	AugCore	Title
_____	_____	PSY 105	SBS	Principles of Psychology
_____	_____	PSY 215		Research Methods and Statistics I (Prereq: Waived from or passed GST 100, PSY 105, MPG 3, and sophomore standing)
_____	_____	PSY 315		Research Methods and Statistics II (Prereq: PSY 215 with a grade of 2.0 or higher and ENL 111 or 112 or HON 111)
_____	_____	PSY 355		Biopsychology (Prereq: PSY 215, or PSY 105 with consent of instructor)

**Biology Required Courses:** Minimum GPA in BIO 151, 152, and 253 is 2.0; Minimum grade in each course is 1.0.

_____	_____	BIO 151	NSM-L & EM	Introductory Biology (Prereq: MPG 3)
_____	_____	BIO 152	NSM-L	Ecology, Evolution and Diversity (Prereq: MPG 3 & BIO 151)
_____	_____	BIO 253		Introductory Cellular Biology (Prereq: CHM 116 and sophomore status)
_____	_____	BIO 475		Neurobiology (Prereq: BIO 253)

**Psychology Electives:** Select and complete at least two (2) of the following courses:

_____	_____	PSY 354	<input type="checkbox"/>	Cognitive Psychology (Prereq: PSY 215, or PSY 105 with consent of instructor)
_____	_____	PSY 391	<input type="checkbox"/>	Individual Differences (Prereq: PSY 215, or PSY 105 with consent of instructor)
_____	_____	PSY 410	<input type="checkbox"/>	Clinical Neuropsychology (Prereq: PSY 315 or consent of instructor)
_____	_____	PSY 491	<input type="checkbox"/>	Adv. Research Seminar (Prereq: ENL 111 or 112 or HON 111, PSY 315 or consent)
_____	_____	PSYC 322	<input type="checkbox"/>	Sensation and Perception (Offered at St. Thomas)
_____	_____	PSYC 407	<input type="checkbox"/>	Seminar in Behavioral Neuroscience (Offered at St. Thomas)
_____	_____	PSYC 378	<input type="checkbox"/>	Psychology of Language (Offered at Macalester)
_____	_____	PSYC 486	<input type="checkbox"/>	Seminar in Neuropharmacology (Offered at Macalester)
_____	_____	PSY 299	<input type="checkbox"/>	Directed Study: Research in Biopsychology (Prereq: PSY 215; PSY 299 <u>or</u> PSY 360 may count toward PSY electives, not both)
<b>OR</b>				
_____	_____	PSY 360	<input type="checkbox"/>	Psychology Lab (Two semesters required. Prereq: PSY 215 or PSY 105 and consent of instructor; PSY 299 <u>or</u> PSY 360 may count toward PSY electives, not both)

**Biology Electives:** Select and complete at least two (2) of the following courses:

_____	_____	BIO 255 or 355	<input type="checkbox"/>	Genetics (Prereq: BIO 151 & 152, CHM 116, & 1 of: MAT 114, 145, 163, 248 or PSY 215)
_____	_____	BIO 369	<input type="checkbox"/>	Biochemistry (Prereq: BIO 253, CHM 351. Fall)
_____	_____	BIO 471	<input type="checkbox"/>	Advanced Cellular and Molecular Biology (Prereq: BIO 253)
_____	_____	BIO 473	<input type="checkbox"/>	Animal Physiology (Prereq: BIO 253)
_____	_____	BIO 495	<input type="checkbox"/>	Animal Behavior (Prereq: BIO 253)
_____	_____	BIOL 356	<input type="checkbox"/>	Cellular and Molecular Neuroscience (Offered at Macalester)
_____	_____	PHY 317	<input type="checkbox"/>	Biophysics (Prereq: PHY 122 and MAT 146)

### Keystone Requirement

Select and complete one (1) of the following Keystone options.

_____	_____	PSY 400	KC	<input type="checkbox"/>	Keystone Internship (Prereq: PSY 315 and ENL 111 or 112 or HON 111; Internships may be on- or off-campus. Off-campus internships also satisfy Augsburg Experience.)
		SCI 490	KC	<input type="checkbox"/>	Integrated Science (2 sem. credits)
		BIO 490	KC	<input type="checkbox"/>	Biology Keystone (2 sem. credits)

### Notes:

- **BIO Grade and GPA requirements:** Students must have a major GPA of 2.0 in BIO 151, 152, & 153. The minimum grade in each of BIO 151, 152, and 153 is 1.0.
- **B.S. Waiver:** Student completing the B.S. in Biology may waive two Liberal Arts Foundation courses (in two different areas), or waive the two-course Modern Language requirement.
- **Abbreviation Key:** ML = Modern Language; SC = Signature Curriculum; EM = Engaging Minneapolis; AE = Augsburg Experience; KC = Senior Keystone Course; NSM = Natural Science & Mathematics - no lab; NSM-L = Natural Science & Mathematics-with lab; SBS = Social & Behavioral Science; FA = Fine Arts; HUM = Humanities; QA = Quantitative Applications; QF = Quantitative Foundations; QFA = Quantitative Foundations & Applications.

**See back for information on graduation skills requirements**

# Planning Sheet: GRADUATION SKILLS REQUIREMENTS

These requirements were implemented for Fall 2008. Please talk with your faculty advisor for information.

**Graduation skills, including the Quantitative Reasoning requirements, are completed as follows.** Graduation skills in Critical Thinking, Writing, Speaking, and Quantitative Reasoning are required for graduation. Critical Thinking is embedded in all majors. Plans for completion of other graduation skills are determined by the major department. Consult your department chair or faculty advisor to select appropriate courses to meet the Quantitative Reasoning (QR) graduation skill. QR is satisfied by completing one (1) Quantitative Foundational course (QF) and one (1) Quantitative Application course (QA), or one (1) combined QFA course. The most current information on Graduation Skills can be found in the Augsburg College catalog at [www.augsburg.edu/catalog/](http://www.augsburg.edu/catalog/).

**Transfer students must consult an advisor about potential adjustments to their course requirements to fulfill each graduation skill.**

Designated Major Course	GRADUATION SKILLS – Psychology		Completed
Embedded in major	<b>Writing Requirements</b> TWO (2) Writing courses		
Embedded in major			
COM 111 or COM 115	<b>Speaking</b> One (1) Speaking course		
Designated Major Course	QUANTITATIVE REASONING		Completed
Embedded in major	<b>Quantitative Foundations &amp; Applications</b> One (1) QFA course (Prereq: MPG3)	QFA course	
<b>– OR –</b>			
Embedded in major	<b>Quantitative Foundations and Quantitative Applications</b> One (1) QF course (Prereq: MPG 3) <b>and</b> one (1) QA course		QF course
Embedded in major			QA course

## Graduation Tally Checklist

These requirements were implemented in April 2003 and remain in effect until further notice.

Requirement	Progress Towards Completion	
<b>Cumulative Course Credits</b> <ul style="list-style-type: none"> <li>▪ Minimum number of course credits needed for graduation = <b>128</b></li> <li>▪ At least 32 semester credits completed at Augsburg.</li> <li>▪ 24 of last 32 semester credits completed in residence.</li> <li>▪ Second degree – minimum of 32 sem. credits completed in residence.</li> </ul>	Transfer Credits Earned	
	+ Aug. Credits Earned	
	= Total Credits Earned	
	# Credits Needed	

<b>Grade Point Average (GPA)</b> <ul style="list-style-type: none"> <li>▪ Minimum 2.0 GPA required in major, minor, &amp; overall.</li> <li>▪ Some majors require higher GPA.</li> <li>▪ Latin Honors GPA requirements:                             <ul style="list-style-type: none"> <li>○ Summa cum laude: 3.9-4.0</li> <li>○ Magna cum laude: 3.80-3.89</li> <li>○ Cum laude: 3.60-3.79</li> </ul> </li> </ul>	Cumulative GPA	
	Major 1 GPA	
	Major 2 GPA	
	Minor GPA	

Other Limits	Minimum/Maximum	Your Total
<b>Overall maximum courses graded Pass/No Pass (P/N)</b> <ul style="list-style-type: none"> <li>▪ Grade of 2.0 or above required to Pass and earn credit for course.</li> <li>▪ Maximum of 8 of 24 sem. credits P/N may be in major.</li> </ul>	Maximum of 24 sem. Credits	
<b>Major Courses graded Pass/No Pass (P/N)</b>	Maximum of 8 semester credits	
<b>Latin Honors courses graded Pass/No Pass (P/N)</b>	Maximum of 8 semester credits	
<b>Latin Honors traditionally graded courses</b>	Minimum of 54 semester credits	
<b>Internships</b>	Maximum of 16 semester credits	
<b>Independent/Directed Studies</b>	Maximum of 8 semester credits	

# Biopsychology Major -Four year plan

Beginning as Biology Major  
Starting in ***EVEN*** numbered year

## Year 1

Fall	BIO 151 (EM & NS) CHM 105/115 (NS) REL 100 MAT 105/145	Spring	BIO 152 CHM 106/116 ENG 111 MAT 114?146
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## Year 2

Fall	BIO 253 CHM 351 REL 200 LANG I	Spring	BIO 355 CHM 352 PSY105 (BSS) LANG II
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## Year 3

Fall	BIO 473 PSY 215 HPE 001 LAF Elective	Spring	BIO 495 PSY 315 HPE-LS PSY 410/491 LAF
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## Year 4

Fall	PSY 355 BIO 490/PSY 399 (KS) LAF Elective	Spring	PSY 354 LAF LAF Elective
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# Biopsychology Major - Four year plan

Beginning as Biology Major  
Starting in **ODD** numbered year

## Year 1

Fall BIO 151 (EM & NS)  
CHM 105/115 (NS)  
REL 100  
MAT 105/145

Spring BIO 152  
CHM 106/116  
ENG 111  
MAT 114/146

## Year 2

Fall BIO 253  
CHM 351  
REL 200  
LANG I

Spring BIO 355  
CHM 352  
PSY105 (BSS)  
LANG II

## Year 3

Fall BIO 473  
PSY 215  
HPE 001  
LAF  
Elective

Spring PSY 315  
PSY 354  
HPE- LS  
LAF  
LAF

## Year 4

Fall PSY 355  
BIO 490/PSY 399 (KS)  
LAF  
Elective

Spring BIO 495  
PSY 410/491  
LAF  
Elective

# Biopsychology Major -Four year plan

## Beginning as Psychology Major Starting in ***EVEN*** numbered year

### Year 1

Fall	PSY 105 (EM, BSS) REL 100 LANG I MAT 105 or LAF	Spring	ENG 111 LAF LANG II LAF
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### Year 2

Fall	PSY 215 BIO 151 (NS) CHM 105/115 (NS) LAF	Spring	PSY 315 BIO 152 CHM 106/116 LAF
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### Year 3

Fall	BIO 253 HPE 001 LAF Elective Elective	Spring	BIO 495 PSY 410/491 HPE-LS Elective Elective
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### Year 4

Fall	PSY 355 BIO 473 Elective Elective	Spring	BIO 355 PSY 354 PSY 399/SCI 490 (KS) Elective
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# Biopsychology Major -Four year plan

## Beginning as Psychology Major *Starting in **ODD** numbered year*

### Year 1

Fall PSY 105 (EM, BSS)  
REL 100  
LANG I  
MAT 105 or LAF

Spring ENG 111  
LAF  
LANG II  
LAF

### Year 2

Fall PSY 215  
BIO 151 (NS)  
CHM 105/115 (NS)  
LAF

Spring PSY 315  
BIO 152  
CHM 106/116  
LAF

### Year 3

Fall BIO 253  
PSY 355  
HPE 001  
LAF  
Elective

Spring BIO 355  
PSY 354  
HPE-LS  
Elective  
Elective

### Year 4

Fall BIO 473  
Elective  
Elective  
Elective

Spring BIO 495  
PSY 410/491  
PSY 399/SCI 490 (KS)  
Elective