

## Biology Program Plan

	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
<b>Curriculum</b>	<p><b>First Year Seminar:</b> cohort builder, professor acts as secondary advisor immediately, student poster updated to include all freshman/transfers</p> <p><b>Required core coursework:</b> 1 year introductory biology 1 semester introductory chemistry 1 semester organic chemistry Begin math series Discussion of minors in chemistry, biopsychology, dual majors, progressive program, etc.</p>	<p><b>Reading Seminar:</b> cohort maintenance; increase discussion skills/increased emphasis on primary literature)</p> <p><b>Required core coursework:</b> Statistics, Ecology, Cell 1 semester introductory chemistry 1 semester organic chemistry</p>	<p><b>Junior Year Seminar:</b> Formal assessment of strengths and weaknesses; application to REU required; resume and personal letters revised/critiqued</p> <p><b>Required Coursework:</b> Completion of all chemistry and math courses not yet completed 2-4 upper level biology courses Philosophy of Science</p> <p>Assist with Faculty Research; May submit small grant (internally or externally)</p>	<p><b>Senior Seminar:</b> Topic chosen by majors; deep discussion; primary and secondary literature; student facilitators</p> <p><b>Required Coursework:</b> Philosophy of Science (if still needed) 2-4 upper level biology courses</p> <p>Conduct Independent Research; Assist with Faculty Research; May submit small grant (internally or externally); Thesis or Honors Thesis</p>
<b>Advising/Mentoring</b>	Meet formal new advisor (post Images) in freshman seminar, 4 year planners completed with faculty guidance; Advising is personalized and career oriented; Four year plan developed	Review four year plan Meet 2x/semester with each advisee (minimum); Begin more formal career planning and aid in placements, recommendations, review of application materials	Review graduation audit; Continue to ensure that all coursework required for post-graduate employment or programs (MS, PhD, P.A.) are met by graduation. Aid in local placements, (volunteer and stewardship efforts)	Review graduation audit; Faculty work to provide strong recommendations for dedicated/conscientious students  Senior Brunch (each senior receives a graduation book gift from faculty)
<b>Co-Curricular</b>	BioEnviro Club; Pre-Professional Club; Marine Club; Equestrian Club*  Biology Laboratory/Research Workstudy positions (1/faculty)  Students encouraged to volunteer in laboratory (2-4 hours/week); research skills training begins	BioEnviro Club; Pre-Professional Club; Marine Club; Equestrian Club*  Workstudy (1/faculty)  1-2 credits formal research in Biology or Skill building course	BioEnviro Club; Pre-Professional Club; Marine Club; Equestrian Club*  Workstudy (1/faculty)  2-3 credits research: Thesis prep URA: Present at Regional Conference; <b>GMC Lab Coats Awarded</b>	BioEnviro Club; Pre-Professional Club; Marine Club; Equestrian Club*  Workstudy (1/faculty)  3-6 credits research:Thesis: URA Present at Regional/National Conference
<b>Career &amp; Academic Award Prep</b>	Orient to Career Services*  What can I do as a Biology Major?*	Apply to Summer Research Opportunities; volunteer locally (home and in GMC community)  Review and join various professional associations*  Attend professional association conferences*	GRE/MCAT  Apply to Summer Research Opportunities; continue as community steward  Pull exemplary materials together, apply to job or research opportunity, develop resume and cover letter, plan post-GMC  Attend Student Research Career Days/Workshops	GRE/MCAT  Pull exemplary materials together, apply to job or research opportunity, develop resume and cover letter, plan post-GMC employment or graduate school  Present Research to external and internal audiences  Attend Student Research Career Days/Workshops