

Academic Assessment Report - AY 2012-2013 (FA12 + SP13)

College, School/Department, Name of Program: NJCSTM BS SCI & TECH / Biomedicine Option (includes Drexel Link)

NOTE: AY 12/13 no students in Year 4 of the program as 4 years ago no one entered this option; AY 12/13 1 student in Year 3 Drexel Link; AY 12/13 3 students in Year 2 Drexel Link + 3 students in Year 2 Biomed option (NON Drexel) and 1 had been dismissed for low academic performance; AY 12/13 3 students in Year 1 Drexel Link + 2 students in Year 1 Biomed option (NON Drexel). Of note, of the 7 Drexel Link students, 4 have perfect 4.0 GPAs.

Program SLOs:

(List Program SLOs)

SLO1: (Medical Knowledge) Graduates will possess comprehensive theoretical and practical knowledge of the integrated science and mathematical fields necessary for admission to medical or graduate school should they choose to further their education. (KU 1, KU2, KU3, KU4) (GE K1, S1, S2, S3, S4, S5, V1, V2, V3, V5)

SLO2: (Holistic Knowledge) Graduates will be versatile and resourceful scientists who can adjust to this ever-changing field because of their comprehensive, integrated knowledge of mathematics applied to the physical, biological and chemical sciences. (KU 1, KU 2, KU3, KU 4) (GE K1, S1, S2, S3, S4, S5, V2, V4)

SLO3: (Critical Thinking) Graduates will be able to combine critical thinking skills and analytical knowledge to design, perform, and analyze scientific or medical research both as an individual and as effective and productive project team members. (KU 1, KU 4) (GE K1, S1, S2, S3, S4, S5)

SLO4: (Foreign Languages) Graduates will have conversational knowledge of their selected foreign language of study and be able to exercise this language knowledge and demonstrate sociocultural and bioethical awareness. (KU 1, KU 2, KU3) (GE S1, S2, V4)

SLO5: (Communication) Graduates will be able to verbally express themselves and communicate scientific comprehension and knowledge in both formal oral presentations and in written format clearly, concisely and accurately. (GE S1, S2, S3, S4, S5, V4)

*** note change from previous year, 2011-2012 SLO # 6 merged with SLO # 2 as both were aspects of holistic knowledge.**

Program Level Student Learning Outcomes <i>(Add rows for additional SLOs)</i>	Assessment Measure(s) <i>(Add rows if necessary)</i>	Assessment Criteria <i>(Describe how data is collected--rubric, survey, etc.)</i>	Results of Assessment <i>(Specific to Data Collected)</i>	Action Taken <i>(Closing the Loop: New action or follow up from last Assessment Report)</i>
SLO #1 (Medical Knowledge)	Direct Measure 1:	STME 4610 Presentation SWR (Scored With Rubric)		
	Direct Measure 2:	STME 4610 MCAT scores		
	Indirect Measure:	Graduating Student Survey		
SLO #2 (Holistic Knowledge)	Direct Measure 1:	STME 1603 Lab Practical SWR	Of the 5 Year 1 students in this course, lowest grade was B+.	No action needed.
	Direct Measure 2:	STME 3610 Poster SWR	The 1 Year 3 student in this course earned a grade of A.	No action needed.
	Direct Measure 3:	STME 4610 Oral Presentation SWR		
	Indirect Measure:	Graduating Student Survey		
SLO #3 (Critical Thinking)	Direct Measure 1:	STME 1603 Lab Practical SWR	Of the 5 Year 1 students in this course, lowest grade was B+.	No action needed.
	Direct Measure 2:	STME 3610 Poster SWR	The 1 Year 3 student in this course earned a grade of A.	No action needed.
	Direct Measure 3:	STME 4610 Presentation SWR		

	Indirect Measure:	Graduating Student Survey		
SLO #4 (Foreign Languages)	Direct Measure 1:	Academic Advisement before Junior year: Foreign Language Placement Test Score	Academic advisor tracks students registration for foreign language course. All Biomed students are on track via academic advisement to satisfy this degree requirement.	No action needed other than AY 13/14 monitoring success of rising Junior's application to doctoral Physical Therapy program at UMDNJ/Rutgers under the Kean Articulation whereby the senior year coursework of Kean bachelor's degree is substituted by the doctoral credits and if this applicant is successful, the BS SCI & TECH / biomed option degree requirement for foreign language would be waived as no time to complete such due to years 1 -3 required coursework preceding acceptance into the doctoral program.
	Direct Measure 2:	STME 4611, reflective journal		
	Indirect Measure:	Graduating Student Survey		
SLO #5 (Communication)	Direct Measure 1:	GE 2024 Paper and presentation SWR	Of the 5 Year 1 students in this course, lowest grade was B+.	No action needed.
	Direct Measure 2:	STME 3610 Poster SWR	The 1 Year 3 student in this course earned a grade of A.	No action needed.
	Direct Measure 3:	STME 4610 Presentation SWR		
	Indirect Measure:	Graduating Student Survey		