Chemical and Biological Engineering Summary of Actions 2019-2020

Concern	Recommendation	Action	Follow-up
Students in EMAT 464	Provide clarity to	A document that	Check in with
report feeling	advisors and faculty	provides clear and	advisors to
underprepared by aspects	about the differences in	common language	ensure that they
of EMAT 464 which is	the between the	that can be used by	are aware of
taken by chemical-,	academic preparation as	both faculty and	and using the
biological-, and	well as typical careers	departmental	materials.
mechanical engineering	for graduates in each	advisors is being	Gather informal
majors. This is due to	respective major	generated by the	student data in
differences in the		program coordinator	both majors to
emphasis on		for the new major	see if they are
chemistry/biology and		and the ChBE	cognizant of the
mechanics of materials for		department head.	differences
the different majors.		0.1	
There is less support for	Explore other software	Other options were	Monitor the
Polymath, which is used	options to solve systems	Desthere are a	Support of
ODE's are solved in	Of ODE sincluding	Python was	Polymain and
FCHM 328	A "pro" for polymeth is	taught to students	as long as it is
LCIIW 526	that it is simple and	who have only had	supported
	allows students to focus	Calc L therefore are	supported
	on the content of the	not vet equipped to	
	course - not the	apply to ODE's We	
	analytical "tool"	will continue to use	
		Polymath for	
		ECHM 328.	
The DAC was concerned	work closely with	Much of the action	Continue to
about job placement of	career services to	was postponed due	utilize career
graduating seniors	provide students	to the pandemic and	services
(concern was raised in	opportunities to	the tracking of the	resources as
very early 2020, pre-	enhance their soft skills	job placement was	they are offered
pandemic)	to be more successful	impacted by the	and monitor
	during the interview	curtailed hiring	student job
	process and monitor	within the	placement
	student job placement	engineering industry	
	within 6-months of		
	graduation		
Significant uncertainty	Faculty who teach lab-	Several faculty	Utilize remote
regarding the delivery of	based courses should	joined the AICHE	labs if required
courses in the coming	investigate potential	Lab Virtual	in the fall
year, particularly those	remote options	Community of	
that typically involve		Practice who	
hands on labs		discussed	

online/remote labs	
meetings. Materials	
were shared	

There was significant uncertainly at the end of the 2019-2020 academic year about the format of the upcoming fall. Montana State University ultimately announced that they would have students in residence and offer courses in one of three modalities: fully face-to-face; blended format and completely online. The Department worked closely with the Office of the Registrar to schedule nearly 85% of our course offerings in the face-to-face format for AY21.