

Rensselaer

Department of Biomedical Engineering Program Planner

Master of Engineering in Biomedical Data Science (without thesis)

Name_

Entry Term_____

Graduation Requirements: 30 credits minimum

- **u** 30 credits minimum consisting of the coursework credits from the following categories:
- □ Five courses in the BME Data Science Core (if a required course has been taken for another degree at RPI, the course can be replaced with an additional Data Science Elective)
- **D** Three Data Science Electives
- □ Either a Data Science Project or additional Data Science Elective

	Course #	Course Title	Credits	Term/Year				
I.	BME Data Science Core (5 courses)							
	BMED-4500	Advanced Systems Physiology	4	/				
	BMED-6420	Engineering Mathematics for Data Science	3	/				
	BMED-6470	Biostatistics for Life Science Applications	3	/				
	BMED-6480	Biomedical Data Science	4	/				
	BMED-6490	Artificial Intelligence for BME Applications	3	/				
II.	Data Science Electives (3 courses)							
	=			/				
				/				
				/				
	=			/				
	-			/				

III. Data Science Project or Data Science Elective (1 course)

Total Credits

30

1824-4
Email

Expecte	d Gradu	ation Date		A	dvisor _						<u> </u>
Degree		M.S M. Eng M.B.A		M. ArchM.F		.A	_ Ph.D.	C	D. Eng.		
ProgramBiomedical Data Science Dual Degree					Check if Co-terminal * F=Fall, S=Spring, U=Su						
Course	Course	Course Title		Credit	Sem	nester	Che	heck where appropria		te Waiwad	
Subject	I. Data Science Core			nours	Tear	F 3 0	Required	Elective	Transfer	waiveu	
BMED	4500		Advanced Systems I	Physiology							
BMED	6420	Engineering Mathematics for Data Science									
BMED	6470	Biostatistics for Life Science Applications									
BMED	6480		Biomedical Data S	Science							
BMED	6490	Artifi	cial Intelligence for Bl	ME Applications							
			II. Data Science	ce Electives							
		III. Da	ata Science Project	or Additional Elective							

lensselaer

Student Signature Date Advisor Signature Date Graduate Program Director Signature Date Please submit original to Office of Graduate Education (OGE) OFFICE OF GRADUATE EDUCATION APPROVAL: Plan Status New ____ Date _ Signature _ _ Revised Graduate Education will send copies to: _____ Registrar _____ Department

30

Total credit hours

GRADUATE PLAN OF STUDY INSTRUCTIONS

GENERAL

You must submit a Plan of Study (POS) before the end of your second semester in your program. Your POS is your plan for completing your entire degree. If your plans change after you submit your POS, you can submit an updated version at any time. Most graduate students revise their POS several times before they graduate. Awarding of the degree is based on satisfactory completion of Institute requirement and on satisfactory completion of all courses listed and approval of any transfer credits.

Submit an updated and revised POS every time you change your coursework or timeline. An incomplete or inaccurate POS will not be approved by OGE. All plans should be typed.

List all courses that will be applied toward the degree. For every course you list, indicate:

- Course subject / number / title
- Credit hours received for the course (Students should list these credits in *chronological order of registration*, and should stop listing credits once they have listed the minimum number required for the degree, even if they have earned additional credits beyond the minimum. *Please do not include 0 Credit courses* such as ADMN 6700: Orientation Seminar for Grads.)
- Semester in which the course has or will be completed; including the year (i.e. F 2017)
- Whether the course is required, elective, transfer or waived
- **Total number of credits** (which should be equal to the number of credits required for the degree: 30, 45, 60, 72, or 90 are the only possible credit totals)

TRANSFER CREDITS

If a course is listed as a transfer, the transfer credits <u>must be approved by the department and OGE and on file with the Registrar's Office</u> before they can be applied toward a degree. You should verify that the Transfer Credit Approval Form and an official transcript showing the completion of the course are on file with the Registrar's Office. No more than six credits may be transferred towards the master's degree.

WAIVERS

If a course is listed as waived, it must be replaced by another course to total the appropriate number of credits required for the degree. This does not apply for the M. Arch program.

MASTER'S DEGREE

The Plan of Study must contain 30 credit hours beyond the bachelor's degree with satisfactory grades.² No more than two courses at the 4000level may be included. The master's degree must be completed within two and one-half years. Students enrolled in part-time and Advanced Professional Studies programs must complete the degree within three and one-half years. 2000 level courses cannot be applied towards a master's degree.

NOTE

In addition to meeting the institute requirements, the plan must adhere to all departmental regulations.

After you complete the plan, sign it and meet with your adviser for his/her signed approval. After your adviser approves the plan, forward it to the appropriate person in your department for approval. When the plan receives departmental approval, send the original to OGE. Upon OGE approval, a copy will be filed with the registrar's office.

²SATISFACTORY GRADES

The average of all grades used for credit toward an advanced degree must be B (3.0) or better. Courses with a D grade cannot be applied to a plan of study.