

School of Biotechnology

M.Sc. (Nuclear Medicine)
Programme 4 Semesters]

S.No.	Code		Credits
Semester 1			
1	BTNM501	Applied Mathematics & Biostatistics	2
2	BTNM503	Radiation Physics & Radiation Biology	3
3	BTNM505	Human Anatomy and Physiology	3
4	BTNM507	Medical Ethics and General Principals of Hospital Practice	3
5	BTNM509	Cell Physiology, Immunology and Cancer Biology	3
6	BTNM511	Laboratory I:	3
7	BTNM513	Clinical Practice-I	3
TOTAL			20
Semester 2			
1	BTNM502	Advanced Nuclear Medicine	3
2	BTNM504	Radiotracers & Radiopharmaceuticals	3
3	BTNM506	Computer applications Artificial Intelligence in Nuclear Medicine	3
4	BTNM508	Clinical Nuclear Medicine Imaging	3
5	BTNM510	Nuclear Medicine- Instrumentation and Techniques	2
6	BTNM512	Laboratory II:	3
7	BTNM514	Clinical Practice-II	3
Total			20
Semester 3			
1	BTNM601	Radiation Dosimetry in Nuclear Medicine and Therapy Planning	3
2	BTNM603	Therapeutic Radio-pharmaceuticals	3
3	BTNM605	Radiological physics, Safety and Regulatory Compliance	3
4	BTNM607	Quality Assurance in Nuclear Medicine	3
5	BTNM609	Dissertation I	4
6	BTNM611	Clinical Practice-III	5
TOTAL			21
Semester 4			
1	BTNM602	Dissertation II*	22
2			
TOTAL			22

Total Credits = 83

*All students are required to undergo 6 months Internship/Dissertation at NCAHP/AERB recognized institutes.

