

MSBS BIOMARKERS AND DIAGNOSTICS (PSM)

The Professional Science Master in Biomarkers and Diagnostics (MSBS-PBD) is designed to be a terminal degree with the graduate having strong prospects for immediate employment in industry. The MSBS-PBD degree is a “job ready” degree. This is achieved by a three-pronged approach:

- To prepare master’s students with a strong foundation in the fundamentals of biomarker discovery and development through focused course work.
- To complement their science education through course work in management, orienting them to realities of the business aspects of the pharmaceutical/diagnostics industry.
- To place them as interns in a pharmaceutical- or diagnostic-oriented company for four months to enhance their practical training and employability.

The MSBS-PSMBD program is targeted to students completing a bachelor in computer science, chemistry or a biological or pharmaceutical science.

First Term		Hours
BIPG 5200	Statistical Methods in Bioinformatics	3
BMSP 6340	Curr Prob Res App Genes/Genom	2
BIPG 5100	Fund Bioinformatics Proteomics	3
INDI 6020	On Being a Scientist	1
MGMT 6150 or MGMT 6160	Leading and Developing Yourself or Leading With Power and Influence	3
HURM 6720 or HURM 6700	Advanced Negotiation and Conflict Management or Human Resource Management	3
Hours		15
Second Term		
BIPG 6100	Bioinformatic Computation	3
BMSP 6350	Cell Biology & Signaling	3
BRIM 6200	Biomarker Disc,Valid & Impleme	3
HURM 6730	Performance Management	3
Hours		12
Third Term		
BIDI 5100	Biomarkers and Diagnostics Internship	6
BIDI 5200	Readings in Biomarkers and Diagnostics (online)	1
BIPG 6890	Independent Study in BPG	2
Hours		9
Total Hours		36

The minimum number of credit hours for completion of the MSBS, PSM in Biomarkers and Diagnostics degree is 36.5 credits.