BMN Specialization Courses by Area of Specialization

Below are some examples of courses that have been used to satisfy the specialization in various areas. Please keep in mind that course titles and content change over time so it will be important to check current offerings at each site.

**Genetics**

BCHM 0230-X02: Gene Xpr & Sign Trans (Sackler)
GENE 0201: Intro to Genetics I (Sackler)
MBM 220: Genetic Analysis (Sackler)
GENE 0203: Cancer Genetics (Sackler)
GENE 0205: Mammalian Genetics (Sackler)
GENE 208: Medical and Experimental Mammalian Genetics (Sackler)
CRBU 0858: BS Statistical Genetics I (BU)
CRBU 0859: BS Appld Genetic Analysis (BU)
CRBU 0830: BS Desgn&Anlys Microarry Ex (BU)
CRBU 0701: MM Genetics and epidemiology of Disease (BU)

**Immunology**

IMMUNOLOGY 212 (Sackler)
IMMUNOGENETICS 225/226 (Sackler)
IMMUNOCHEMSITRY 227/228 (Sackler)

**Molecular and Cell Biology**

ISP 209A-001 Membranes & Trafficking (1.5 credit) – Sackler (Fall)
ISP 209B-001 Cell Behavior (0.5 credit) – Sackler (Spring)
ISP 210A-001 Cell and Mol Genetics (0.5 credit) – Sackler (Spring)
ISP 210B-001 Mol Cell Bio Of Development (0.5 credit) – Sackler (Spring)
BIOCHEMISTRY 230 - Biochemistry of Gene Expression and Signal Transduction (2 credits) – Sackler (Spring)

**Neurology**

NEUROSCI 201 Basic Prin Of Neurobiology (Sackler)
CRSK 202 Neurobiology II (Sackler)
NRSC 205 Developmental Neurobiology (Sackler)
NRSCI 212 Basic Principles of System Neurobiology (Sackler)
CRSK 293I Free Radical Bio/Biochem (Sackler)
CRBU 0755 Cell&Systems Neuro (BU)
PSY 0242 Seminar Aff Neuroscience (Medford)

BN 777,778, 779 - Basic Neuroscience (BU) – Course taught at 3 levels

**Physiology**

NUTR 208 – Human Physiology (already required)
ISP 209B-001 Cell Behavior (0.5 credit) – Sackler (Spring)
ISP 210A-001 Cell and Mol Genetics (0.5 credit) – Sackler (Spring)
ISP 210B-001 Mol Cell Bio Of Development (0.5 credit) – Sackler (Spring)
BIOCHEMISTRY 230 - Biochemistry of Gene Expression and Signal Transduction (2 credits) – Sackler (Spring)
NUTR 272 Physical Activity, Nutrition, and Health  
OTS 0291-01 Phy exercise&phy perform (OTS)  
CRBU 0560-HS Bio Muscle Hlth & Disease (BU)

**Biopsychology/Behavior**

PSY 0231 Core Bio Psych (Medford)  
NUTR 0211 Behavior Chng & Interven  
PSY 0127 Behav Endocrinology (Medford)  
HCOM 0522-X01 Health Behavior and HCOM (MPH)

**Research Methods in Epidemiology**

NUTR 0305 Nutritional Epidemiology  
NUTR 394 Advanced Data Analysis  
NUTR314 Study Design in Nutrition Research  
NUTR 327 Introduction to SAS Programming  
NUTR 311 Nutrition Data Analysis  
PH 206 Intermediate Biostatistics  
PH 205 Principles of Biostatistics

**Nutrition and Behavior Change**

NUTB 243 Nutrition, Brain, and behavior  
NUTB 211 Theories of Behavior Change  
NUTR 231 Practice in Clinical Dietetics  
HCOM 522 Changing Health Behaviors  
NUTR228 Community and Public Health Nutrition

**Pharmacology and Nutrition**

PPET 211 Translational Pharmacology I  
PPET 0232 Translational Pharmacology II

**Nutrition and Entrepreneurship**

NUTR 280 Nutrition and Entrepreneurship  
GHP 568 Contemporary Developing Countries: Entrepreneurial Solutions to Intractable Problems (Harvard School Public Health)  
ELS0194-03 The Art & Science of Sales in Entrepreneurship