

BIOCHEMISTRY (BIC)

BIC 580 Special Topics 1-4 Credit hours

Grade Mode: Normal Grading Mode

BIC 620 Human Biochemistry 6 Credit hours

A study of structure and metabolism of biological compounds with special reference to the human.

Grade Mode: Normal Grading Mode

BIC 621 Human BIC Discussion 1 Credit hour

Co-requisite weekly discussion group for Human Biochemistry. Selected topics from the lecture course will be covered in greater depth.

Co-req: BIC 620

Grade Mode: Credit/No Credit Grade Only

BIC 628 Mol Mech Growth & Diff 2 Credit hours

Advanced graduate course will acquaint students with the latest information on control of cell growth and differentiation at the molecular level. Lecture and student presentations. A short grant proposal is also required. (PR: BMS 600)

Pre-req: BMS 600.

Grade Mode: Normal Grading Mode

BIC 634 Lipid Biochemistry 2 Credit hours

Advanced study of lipid structure and metabolism.

Grade Mode: Normal Grading Mode

BIC 636 Enzymology and Proteins 3 Credit hours

Structure and function of enzymes and proteins, including proteomics, purification, assay, kinetics, molecular chaperones, protein degradation, engineering, and current literature concerning enzymes important in the cell cycle and gene regulation. PR: Biochemistry and consent

Grade Mode: Normal Grading Mode

BIC 638 Nucleic Acid Protein Syn 3 Credit hours

An advanced course in molecular biology and molecular genetics emphasizing current research in these areas.

Pre-req: BIC 620.

Grade Mode: Normal Grading Mode

BIC 643 Molecular Signal Transduction 3 Credit hours

An advanced exploration of the newest information on cellular signalling pathways. Special emphasis will be place on current literature in following signal transduction from the plasma membrane to the nucleus. (PR: BMS 600 or equivalent)

Grade Mode: Normal Grading Mode

BIC 675 Special Topics 1-4 Credit hours

Present course material on special areas of research or topics which are not routinely covered in existing courses.

Grade Mode: Normal Grading Mode

BIC 676 Special Topics 1-4 Credit hours

Present course material on special areas of research or topics which are not routinely covered in existing courses.

Grade Mode: Normal Grading Mode

BIC 677 Special Topics 1-4 Credit hours

Present course material on special areas of research or topics which are not routinely covered in existing courses.

Grade Mode: Normal Grading Mode

BIC 720 Biochemistry 7 Credit hours

Grade Mode: Normal Grading Mode

BIC 780 Elective Special Projects 1-18 Credit hours

Grade Mode: Pass/Fail Grading Mode

BIC 785 Independent Study 1-15 Credit hours

Grade Mode: Credit/No Credit Grade Only

BIC 820 Biochemistry Research 1-18 Credit hours

Grade Mode: Pass/Fail Grading Mode