Pre-Approved Support Courses for the BS Applied Math Concentration in Statistics

Accounting:
8 units of Lower Division Support: Bus1 20N and Econ 1B
6 units of Upper Division Support: Bus1 121A and Bus1 121B

Astrophysics/Physics:
8 units of Lower Division Support: Phys 50, and one of Phys 51 or Phys 52;
6 units of Upper Division Support: One of the following options 1) Astr 117A and Astr 117B; 2) Phys 105A and Phys 105B;
3) Phys 110A and Phys 110B; 4) Phys 122 and Phys 163.

Biology:
8 units of Lower Division Support: Biol 30, Biol 31;
6 units of Upper Division Support: One of the following options 1) Biol 115 and one of Biol 116, Biol 117, 118 or 119; 2)
Biol 160 and one of Biol 155 or Biol 156; 3) Biol 123A and Biol 123B

Computer Science:
8 units of Lower Division Support: One of the following options: 1) Phys 50, and one of Phys 51 or Phys 52; or 2) CS 46A,
46B, or 3) 2 additional upper division CS courses chosen from the list below.
6 units of Upper Division Support: CS 146 and one of CS 116A, CS 151, CS 155, CS 157A, CS 159, Big Data (185C?).

Economics:
8 units of Lower Division Support: Econ 1A and Econ 1B;
6 units of Upper Division Support: Two courses chosen from: Econ 101, Econ 102, Econ 103, Econ 104, Econ 106, Econ
137A, Econ 138, or Econ 139

Electrical Engineering:
8 units of Lower Division Support: Phys 50, and one of Phys 51 or Phys 52;
6 units of Upper Division Support: One of the following options: 1) EE 98, EE 140, and EE 142; 2) EE 98, EE 112, and one
of EE 110 or EE 153.

Finance:
8 units of Lower Division Support: Econ 1A and Econ 1B
6 units of Upper Division Support: Bus1 170 and one of Bus1 172A or Bus1 174

Industrial and Systems Engineering:
8 units of Lower Division Support: Phys 50, and one of Phys 51, Phys 52, or Math 177;
6 units of Upper Division Support: One of the following options: 1) ISE 131 and ISE 135; 2) ISE 167 and ISE 170.

Management:
8 units of Lower division Support: Econ 1A and Econ 1B
6 units of Lower Division Support: Two courses chosen from: Bus5 141, Bus5 144, or Bus5 146

Marketing:
8 units of Lower division Support: Econ 1A and Econ 1B
6 units of Lower Division Support: Bus2 130 and Bus2 138

Mathematics
8 units of Lower Division Support: One of the following options 1) Phys 50 and one of Phys 51 or Phys 52, 2) Econ 1A and
Econ 1B;

6 units of Upper Division Support: Two courses from Math 142, 143C, 143M, 150, 162, one of 170 or 178, 261A, 261B, 265, 266 (not already used to satisfy other degree requirements) or 6 other units of approved upper division math approved by the Math Department.

Mechanical Engineering:
8 units of Lower division Support: Phys 50 and one Phys 51 or Phys 52;
6 units of Upper Division Support: Two courses chosen from: ME 101, ME 111, ME 113, ME 114

Meteorology:
8 units of Lower Division Support: Phys 50, and one of Phys 51 or Phys 52;
6 units of Upper Division Support: Metr 121A and Metr 121B.

Physical Chemistry:
8 units of Lower Division Support: Phys 50, and one of Phys 51 or Phys 52;
6 units of Upper Division Support: Chem 161A and Chem 161B.

Quantitative Business Analysis:
8 units of Lower Division Support: Econ 1A and Econ 1B
6 units of Upper Division Support: Two courses chosen from Bus2 190, Bus2 191, or Bus2 193