

**WESTERN CONNECTICUT STATE UNIVERSITY**

**B.S. METEOROLOGY**

Student \_\_\_\_\_  
 Box \_\_\_\_\_

**Office Admissions Evaluation of Transfer Credit**

Entering Date \_\_\_\_\_ day/eve/full/part-time

Previous School(s) \_\_\_\_\_

**I. GENERAL EDUCATION REQUIREMENTS (42 S.H. plus HPX)**

**Communication Skills (3 S.H.)**

COM 160, 161 or 162 \_\_\_\_\_ 3 \_\_\_\_\_

Has completed one Writing Intensive (W) course Yes \_\_\_\_\_ No \_\_\_\_\_

**Humanities (15 S.H. minimum, including 3 of 7 fields:**

Fine and Applied Arts - only 1 studio course may be used to fulfill Humanities requirements—Communications, Foreign Language, Humanistic Studies, Literature, Philosophy, Western History)

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**Social & Behavioral Sciences (12 S.H. minimum including**

2 of 3 fields: Non-Western Culture, Psychology, Social Sciences)

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**Natural Sciences & Mathematics (12 S.H. )**

CHE 110, 111, General Chemistry I & II (4 - 4) 8 \_\_\_\_\_

MAT 181 Calculus I 4 \_\_\_\_\_

**Health Promotion and Exercise Sciences (2 S.H.)**

HPX 177 Fitness for Life 2 \_\_\_\_\_

**II. MAJOR REQUIREMENTS (65-69 S.H. depending on Option)**

(50 S.H. Core Courses in Mathematics and Computer Science, Physics, Astronomy, Earth Science, and Meteorology plus Track Option 1 or 2)

**A Core Courses in Mathematics and Computer Science (12 S.H.)**

CS 170 Computer Science I: Language 4 \_\_\_\_\_

MAT 182 Calculus II 4 \_\_\_\_\_

MAT 281 Calculus III 4 \_\_\_\_\_

**B. Core Courses in Physics (8 S.H.)**

PHY 110, 111 General Physics I & II (4 - 4) 8 \_\_\_\_\_

**C. Core Courses in Astronomy and Earth Science (8 S.H., any 2 from AST 150, ES 103, ES 110, and ES 210)**

\_\_\_\_\_ 4 \_\_\_\_\_  
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**D. Core Courses in Meteorology (22 S.H.)**

MTR 150 Meteorology 4 \_\_\_\_\_

MTR 175 Introduction to Analytical Meteorology 4 \_\_\_\_\_

MTR 230 Weather Analysis and Forecasting I 4 \_\_\_\_\_

MTR 310 Atmospheric Thermodynamics 3 \_\_\_\_\_

MTR 311 Atmospheric Dynamics 3 \_\_\_\_\_

MTR 370 Internship in Meteorology OR 4 \_\_\_\_\_

MTR 450 Senior Research in Meteorology

**E. Track Options in Meteorology--Track Option #1 or Track Option #2**

(See reverse side) 15 to 19 \_\_\_\_\_

**III. FREE ELECTIVES+**

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**Total Transfer Credits** \_\_\_\_\_

+Minimum of 125 S.H. including HPX 177 for B.S. Degree

5/04, 6/04, 7/04, 6/09, 6/26/09

WESTERN CONNECTICUT STATE UNIVERSITY  
DEPARTMENT OF PHYSICS, ASTRONOMY & METEOROLOGY  
B.S. METEOROLOGY

E. Track Options in Meteorology (Students must choose one of the following two)

1. Track Option #1: Theoretical Meteorology (15 S.H. minimum)

MAT 282 Ordinary Differential Equations	3 _____
MTR 315 Atmospheric Physics	3 _____
MTR/PHY 360 Physics of Fluids	3 _____
MTR 420 Geophysical Hydrodynamics I OR	
MTR 421 Geophysical Hydrodynamics II	3 _____
MTR___ Elective (must be level 200 or higher)	3 _____

2. Track Option #2: Operational Meteorology and Weathercasting (18 S.H. minimum)

MTR 231 Weather Analysis and Forecasting II	4 _____
MTR 240 Climatology	3 _____
MTR 330, 331 Operational Forecasting and Weathercasting I & II	8 _____
MTR___ Elective (must be level 200 or higher)	3 _____

5/04, 6/04, 7/04, 6/09, 6/26/09