WESTERN CONNECTICUT STATE UNIVERSITY

B.S. METEOROLOGY

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

Communication Skills (3 S.H.)
COM 160, 161, 162 or 165  3
Has completed one Writing Intensive (W) course  Yes  No

Humanities (15 S.H. minimum, including 3 of 6 fields:
Fine and Applied Arts - only 1 studio course accepted toward
minimum—Foreign Language, Humanistic Studies, Literature,
Philosophy, Western History)

Social & Behavioral Sciences (12 S.H. minimum including
2 of 3 fields: Non-Western Culture, Psychology, Social Sciences)

Natural Sciences & Mathematics (12 S.H.)
CHE 110, 111, General Chemistry I & II (4 - 4)  8
MAT 171 Calculus with Review or MAT 181 Calculus I  4

Health Promotion and Exercise Sciences (2 S.H.)
HPX 177 Fitness for Life  2

II. MAJOR REQUIREMENTS (69 S.H...78 S.H. with Broadcast Meteorology option)

A Core Courses in Mathematics and Computer Science (17 S.H.)
CS 140 Intro. To Programming or CS 143 Visual Basic  3
MAT 120 Elementary Statistics  3
MAT 182 Calculus II  4
MAT 281 Calculus III  4
MAT 282 Ordinary Differential Equations  3

B. Core Courses in Physics (8 S.H.)
PHY 110, 111 General Physics I & II (4 - 4)  8

C. Core Courses in Earth and Planetary Science (8 S.H.)
ES 210 Intro. To Physical Oceanography  4
AST 150 General Astronomy OR
ES 110 Physical Geology  4

D. Core Courses in Meteorology (36 S.H.)
MTR 150 Meteorology  4
MTR 230 Weather Analysis and Forecasting I  4
MTR 231 Weather analysis and Forecasting II  4
MTR 240 Climatology  3
MTR 310 Atmospheric Thermodynamics  3
MTR 311 Atmospheric Dynamics  3
MTR 340 Mesoscale Meteorology & Numerical Forecasting  3
MTR 430 Meteorological Instrumentation  4
MTR 440 Atmospheric Physics and Remote Sensing  4
MTR 370 Internship in Meteorology OR
MTR 450 Senior Research in Meteorology  4

E. Optional Track in Meteorology-Broadcast Meteorology
(See reverse side) (9 S.H.)  9

III. FREE ELECTIVES+  

Office Admissions Evaluation of Transfer Credit
Entering Date _______day/eve/full/part-time
Previous School(s) ____________________________

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Total Transfer Credits _______
E. Optional Track in Broadcast Meteorology (9 S.H.)

MTR 330, 331 Operational Forecasting and Weathercasting 1 & II 6_______

Choose one of the following: 3_______
   THR 260 Voice and Diction
   COM 268 Public Communication
   COM 310 Business and Professional Speaking

6/26/09, 5/12, 11/12, 01/13, 2/13