



Roy Hurst, Ph.D.

Certification Officer; Associate Professor of Science Education

Dr. Hurst teaches both undergraduate and graduate courses in science education. His research interests include active science learning environments, classroom applications of the Internet, and teacher self-efficacy. His research has been published in *The Journal of Research in Science Teaching*, *The Science Teacher*, and *Teacher Education and Practice*.

Content Area Requirements

As part of their academic preparation, candidates for certification in content-area specializations must have completed the courses listed or equivalent courses approved by the faculty in the discipline(s).

Art EC-12: Complete the requirements for the BA or BFA in Art.

Physical Education EC-12: KINE 1109 (11 activities), 1301, 2385, 3310, 3330, 3340, 3350/3151, 4300, 4310, 4330, 4340; KINE 1306 or 2370; KINE 4320 or 4350; EDUC 4332, 4333, and 4334.

English Language Arts & Reading 4-8: At least 24 semester hours at the 2000 level and above, including ENGL 3300; ENGL (American literature); ENGL (British literature); ENGL (fiction); ENGL (poetry); ENGL (language/rhetoric); and ENGL (drama). Must also complete EDUC 3322, 4325, 4326, and 4375.

English Language Arts & Reading 8-12: At least 24 semester hours at the 2000 level and above, including ENGL 3300; ENGL (American literature); ENGL (British literature); ENGL (fiction); ENGL (poetry); ENGL (language/rhetoric); and ENGL (drama). Must also complete EDUC 4326 and 4375. COMM 2301 is recommended.

English Language Arts, Reading, & Social Studies 4-8: 24 semester hours ENGL at the 2000 level and above, including ENGL 3300; ENGL (American literature); ENGL (British literature); ENGL (fiction); ENGL (poetry); ENGL (drama); ENGL (language/rhetoric); ECON 2301; GEOG 1301; GEOG 1302 or 1303; HIST 1301, 1302, and 3350; HIST (two upper level US history courses and one non-US course); PLSC 2305, 2306; 4335 or 4336; EDUC 3322, 4325, 4326, and 4375.

Social Studies 4-8: ECON 2301; GEOG 1301; GEOG 1302 or 1303; HIST 1301, 1302, and 3350; HIST (two upper level US history courses and one non-US course); PLSC 2305, 2306, and 4335 or 4336.

Social Studies 8-12: ECON 2301, 2302; GEOG 1301; GEOG 1302 or 1303; HIST 1301, 1302; two 2000-level non-US history courses; two upper-level non-US history courses; two 20th-Century US history courses; PLSC 2305, 2306; 4335 or 4336; 3321 or 4321.

History 8-12: Complete the requirements for the BA in History.

Mathematics 4-8: MATH 2350 or 2412, 2413, 2414, 3301, 3305, 3315, and 3350.

Mathematics 8-12: MATH 2413, 2414, 2415, 3301, 3305, 3310, 3315, and 3350.

Math & Science 4-8: MATH 2350 or 2412, 2413, 2414, 3301, 3305, 3315, 3350; BIOL 1306/1106, 1307/1107, 3372 or 3230/3231, 4340; CHEM 1311/1111; GEOL 1301/1101; PHYS 1301/1101 or GEOL 1302/1102; NTSC 4311; 3 hours of science electives.

Science 4-8: BIOL 1306/1106, 1307/1107, 3372 or 3230/3231, 4340; CHEM 1311/1111, 1312/1112; GEOL 1301/1101, 1302/1102; PHYS 1301/1101; NTSC 4311; 9-12 hours of science electives.

Science 8-12: BIOL 1306/1106, 1307/1107, 3372 or 3230/3231, 3300/3101 or 3324/3125, 4340, 4342; CHEM 1311/1111, 1312/1112, 3411/3113; GEOL 1301/1101, 1302/1102; PHYS 1301/1101 or 2325/2125, 1302/1102 or 2326/2126; NTSC 4311; 3-4 hours of science electives.

(Biology) Life Science 8-12: BIOL 1306/1106, 1307/1107, 3300/3101 or 3324/3125, 3372 or 4372, 4340, 4342; four hours of upper level BIOL electives; CHEM 1311/1111, 1312/1112, 3411/3113; NTSC 4311.

Chemistry 8-12: Complete at least the 32 semester hours of CHEM required under Plan B; NTSC 4311.

Physical Science 8-12: CHEM 1311 / 1111, 1312 / 1112, 3411 / 3113, 3412 / 3114, 3324 / 3225, 4301 / 4103; PHYS 1301 / 1101 or 2325 / 2125, 1302 / 1102 or 2326 / 2126; NTSC 4311.

Computer Science 8-12: COSC 1430, 2430, 2420 or equivalent, 3310, 3315, 3420, and 3xxx / 4xxx (elective).

Journalism 8-12: COMM 1307 or 2301, 2311, 2321, 2361, 3304, 3319, 3360, 4315, 6 elective hours in COMM.

Speech 8-12: COMM 1307, 2301, 2333, 2341, 3355, 3360, 4320, 4355, 6 elective hours in COMM.

Spanish 6-12: Complete the requirements for the BA in Spanish.