Program name: Atmospheric and Environmental Sciences, Ph.D.
Academic year 2012-13

General graduate office requirements:
(please see program requirements for additional information)

- Graduate advisory committee:
  - major professor (must be a faculty member at SDSM&T with a terminal degree)
  - graduate division representative (must be a full time faculty member at SDSM&T with a terminal degree; must not be from the student’s department/program)
  - minimum of 3 additional members for Ph.D. students

- Credit limitations:
  - Maximum of 12 credits can be transferred from another institution
  - Maximum of 9 credits in Special Topics, Advanced topics, Seminar, Co-op (691/791, 692/792, 690/790, 697)
  - Maximum of 12 graduate level (500 and above) credits taken as an undergraduate and not used toward undergraduate degree requirements
  - Maximum of 9 undergraduate level (300-400) credits not used toward undergraduate degree requirements

- Ph.D. option:
  - 80 credits required, 50 credits must be coursework
  - Minimum of 20 credits of research (898)
  - Students holding an M.S. degree can apply up to 24 coursework credits and 6 research credits toward the Ph.D. degree

Program requirements for AES-PhD:

- Ph.D. option
  - 80 total credits beyond BS degree
  - 53 credits of coursework beyond BS,
  - 27 credits minimum of research

Required courses

- _____ AES 790 Seminar-1 credit (ATM 690 is also acceptable)
- _____ AES 792 Topics (Interdisciplinary Problems)-3 credits (or appropriate substitution)
- _____ XXX Measuring/Modeling of Earth Systems-3 credits
- _____ AES 808 Fundamental Problems in Engineering and Science-3 credits (or GEOL 808 or appropriate substitution)
- _____ Elective courses, 13 credits
- _____ Research credits, 27 credits

- 30 Credits from MS degree (24 coursework/6 research)