**Geomatics**

**All Geomatics Graduate Students**

Registration in the Geomatics Seminar, CE691, is required of all graduate students in the fall and spring semesters.

**Geomatics (Thesis and) Non-Thesis MS Required Courses**

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| Geomatics (Thesis and) Non-Thesis MS Required Courses |
| Track | Photogrammetry | Geodesy | Remote Sensing  | GIS |
| Common Core | CE 502 (F) |
| CE 503 (F) |
| CE 506 (S) |
| CE 508 (S) |
| CE 511 (S) |
| CE 545 (F) |
| Track-Specific | CE 510 (F) | CE 510 (F) |  | CE 510 (F) |
| CE 603 (S) |  | CE 603 (S) | CE 603 (S) |
| CE 605 (?) | CE 605 (?) |  |  |
|  | CE 612 (S) |  |  |
| Electives | STAT 511 (Su), STAT 512, MATH 511 (Su), CE 562, AAE 532 (F), AAE 575 (F), AAE 590 (F), AAE 690, EE 301 (F), EE 538 (F), EE 577 (S), EE 637 (S), EE 638 (S), EAS …  |

**Course Numbers and Titles of Core and Elective Courses for Geomatics**

CE 502=Analytical

CE 503=Photo 1

CE 506=Data 1

CE 508=GIS

CE 510=Coordinate Systems

CE 511=GPS

CE 545=Remote Sensing

CE 603=Photo 2

CE 605=Data 2

CE 612=Phys Geodesy

STAT 511=Statistical Methods

STAT 512=Regression and Anova

MATH 511=Linear Algebra Applications

CE 562=Geometric Hwy Design

AAE 532=Orbit Mechanics

AAE 575=Introduction to Satellite Navigation and Positioning (GPS)

AAE 590=Remote Sensing System Design

AAE 690=Orbit Estimation

EE 301=Signals and Systems

EE 538=Digital Signal Processing I

EE 577=Engineering Aspects of Remote Sensing EE 637=Digital Image Processing I

EE 638=Digital Image Processing II

**PURDUE DISTANCE EDUCATION IN GEOMATICS**

One or two graduate courses of the Geomatics program may be available through Purdue’s ProEd. See <http://engineering.purdue.edu/ProEd>. The intent of this Distant Learning (DL) program is that students obtain a Master’s degree in two and a half years, or five years.