


Alternative Class Offerings for Vincennes University Surveying Technology



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Goals

- Provide accessible surveying education through non-traditional scheduling.
- Either piecemeal classes for specific training.
- Or groupings that can lead to a degree level.
 - 1 yr Certificate of Graduation
 - 2 yr Associate's of Science Career Tech
 - 4 yr Bachelor's of Science

Phase 1: 2019-2020

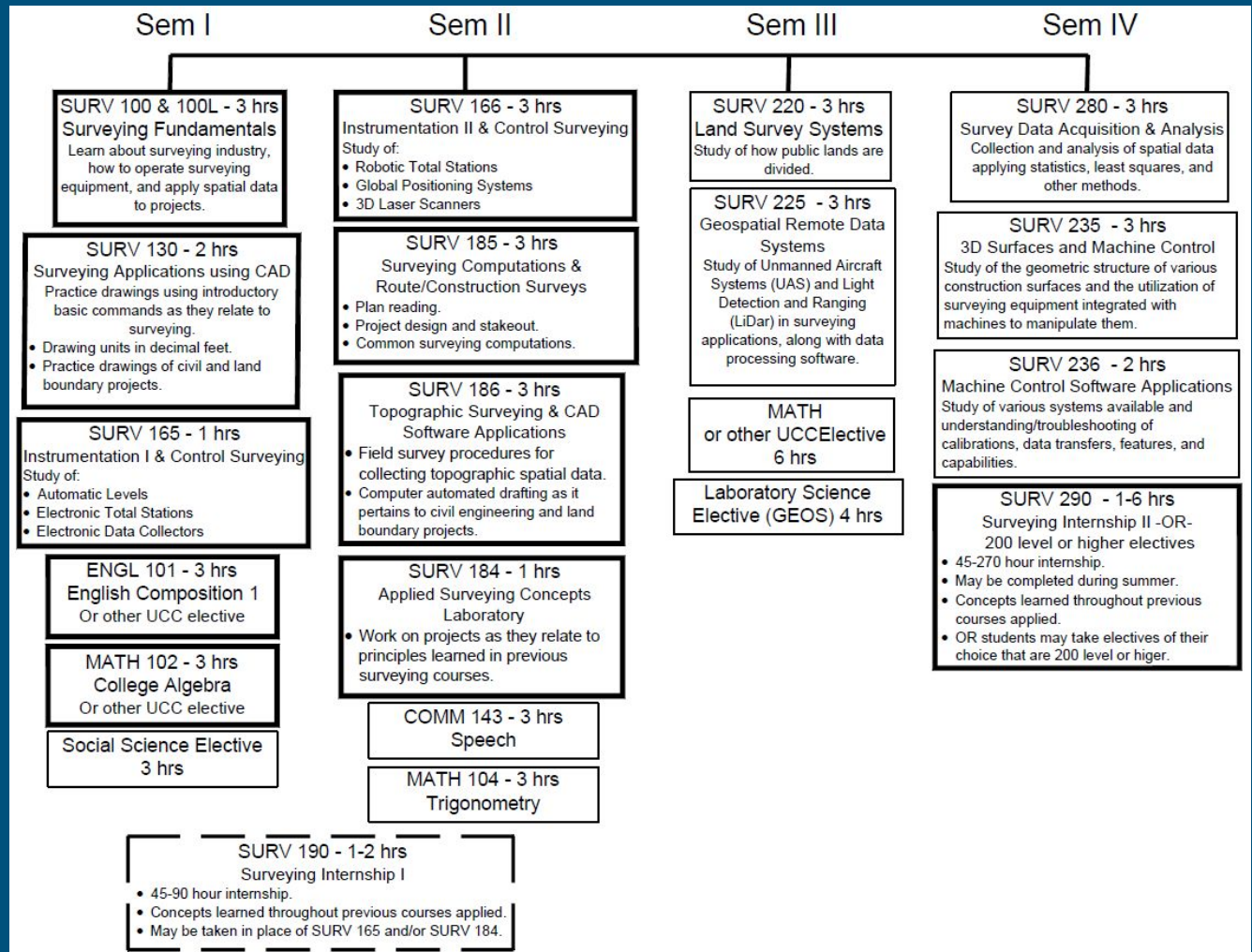
Provide a means for students to earn 1 yr Certificate of Graduation.

Degree Structures

Classes in bold outline form the 1 yr C.G.

Sem I - IV form the 2 yr ASCT.

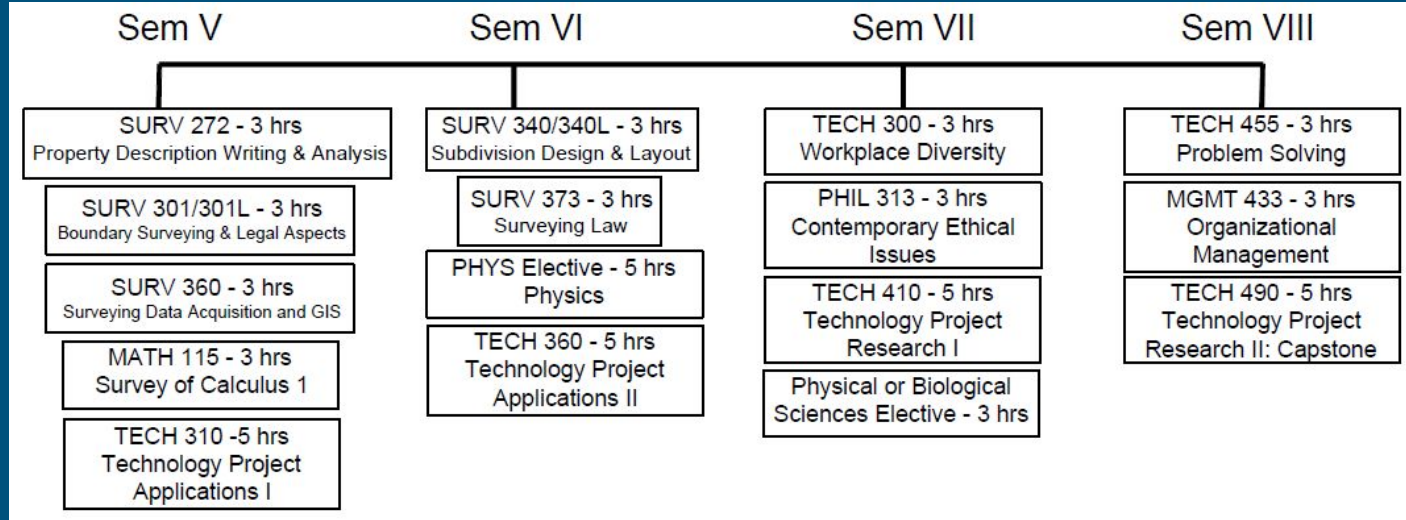
All general studies courses listed can be taken online or at other institutions and transferred back to V.U.



Degree Structures

Bachelor's Degree

Sem V - Sem VIII will all be available online beginning Fall 2019.



Strategy

Offer hybrid format classes approximately 1 day a month throughout a semester.

- A hybrid class has to have face-to-face meetings for at least 50% of the traditional contact time of the class.
 - Example: if a class is supposed to meet for 3 hours a week for a 16 week semester (=48 hrs), then if delivered in hybrid format, it must meet face-to-face for at least 24 hours, with the remaining time (24 hours) of the course spent working through an interactive online learning platform in interaction with an instructor.

Strategy

Allow for internship/working experience to be used for some of the lab portions of the courses.

- These internships/working experiences would be monitored by a V.U. instructor and a student's mentor/employer jointly.
- The student would be expected to complete coursework through related job experiences.
- An online learning platform with reports, assignments, quizzes/exams, and employer rating sheets would be utilized as a part of the internship/working experience portions of the courses.

Strategy

Utilize computer software that is free for students to download onto their own computers, no matter their physical location:

- AutoCAD
- AutoCAD Civil 3D

Phase 1 Implementation

Beginning Fall 2019, the alternative offerings will begin at:

INDIANAPOLIS

V.U.
Aviation Technology Center

4 Fridays

August 23
September 13
October 11
November 8
(Optional) December 6

8:00 am - 4:00 pm

VINCENNES

Main Campus

4 Fridays

August 30
September 20
October 18
November 15
(Optional) December 6

8:00 am - 4:00 pm

Phase 1 Course Offering Projections

Sem I

Fall 2019

SURV 100 & 100L - 3 hrs
Surveying Fundamentals
Learn about surveying industry,
how to operate surveying
equipment, and apply spatial data
to projects.

SURV 130 - 2 hrs
Surveying Applications using CAD
Practice drawings using introductory
basic commands as they relate to
surveying.
• Drawing units in decimal feet.
• Practice drawings of civil and land
boundary projects.

SURV 165 - 1 hrs
Instrumentation I & Control Surveying
Study of:
• Automatic Levels
• Electronic Total Stations
• Electronic Data Collectors

SURV 190 - 1-2 hrs
Surveying Internship I
• 45-90 hour internship.
• Concepts learned throughout previous courses applied.
• May be taken in place of SURV 165 and/or SURV 184.

- **SURV 100/100L** : **Hybrid Format**
(Traditionally 64 contact hours) (50% Hybrid = 32 contact hours)
 - Students attend classes at V.U. ATC or V.U. Main Campus for four Fridays a semester (total 32 hours), plus 2 hour final exam.
- **SURV 130: Online Format**
 - Students download software and work through course in regular online interaction with instructor.
- **SURV 165/SURV 190: Internship Format**
 - Students take SURV 190 in place of SURV 165 and complete coursework through an internship/work experience monitored and guided by instructor and employer.

Phase 1 Course Offering Projections

Sem II

Spring 2020

SURV 166 - 3 hrs
Instrumentation II & Control Surveying
Study of:

- Robotic Total Stations
- Global Positioning Systems
- 3D Laser Scanners

SURV 186 - 3 hrs
Topographic Surveying & CAD
Software Applications

- Field survey procedures for collecting topographic spatial data.
- Computer automated drafting as it pertains to civil engineering and land boundary projects.

SURV 184 - 1 hrs
Applied Surveying Concepts
Laboratory

- Work on projects as they relate to principles learned in previous surveying courses.

SURV 190 - 1-2 hrs
Surveying Internship I

- 45-90 hour internship.
- Concepts learned throughout previous courses applied.
- May be taken in place of SURV 165 and/or SURV 184.

- SURV 166 and 186 : Hybrid Format

(Traditionally 96 contact hours) (50% hybrid = 48 contact hours)

- Students attend classes at V.U. ATC or V.U. Main Campus for five Fridays a semester plus (2) 2 hour final exams.

- SURV 184/SURV 190: Internship Format

- Students take SURV 190 in place of SURV 184 and complete coursework through an internship/work experience monitored and guided by instructor and employer.

Phase 1 Course Offering Projections

Summer 2020

SURV 185 - 3 hrs Surveying Computations & Route/Construction Surveys

- Plan reading.
- Project design and stakeout.
- Common surveying computations.

SURV 290 - 1-6 hrs Surveying Internship II -OR- 200 level or higher electives

- 45-270 hour internship.
- May be completed during summer.
- Concepts learned throughout previous courses applied.
- OR students may take electives of their choice that are 200 level or higher.

- SURV 185 : Hybrid Format
(Traditionally 48 contact hours) (50% hybrid = 24 contact hours)
 - Students attend class at V.U. ATC or V.U. Main Campus for 3 days throughout summer plus a 2 hour final exam.
- SURV 290: Internship Format
 - Students complete coursework through an internship/work experience monitored and guided by instructor and employer.

Next Steps for Prospective Students

1. Apply to Vincennes University. <http://www.vinu.edu/apply>
2. Transfer any transcripts from high school or other colleges to Vincennes University Registrar's Office.
3. Take placement test, if necessary.
<https://www.vinu.edu/web/assessment-center/accuplacer-placement/entry-testing>
4. Contact Surveying Technology Program Coordinator, Jessica Hess, to register for classes or request additional information.
 - a. Best by email: jhess@vinu.edu
 - b. Phone: 812-888-4185

*Costs to Attend: <http://catalog.vinu.edu/content.php?catoid=31&navoid=2455>