HACS - ACES-CYBERSECURITY

HACS402 Applied Security Analysis and Visualization (3 Credits)
Focuses on exploratory and statistical data analysis, data and
information visualization, and the presentation and communication
of analysis results. These topics will be presented and explored in the
context of and with applications to cybersecurity related data.
**Restriction:** Must be a student in the ACES (Advanced Cybersecurity
Experience for Students) Minor Program.

HACS408 Advanced Seminar in Cybersecurity (3 Credits)
Explores various lenses of cybersecurity in order to promote an
interdisciplinary understanding of the field. Although each section may
focus on a different topic, each integrates active student engagement,
communication, critical communication, critical thinking, and teamwork.
**Restriction:** Must be a student in the ACES (Advanced Cybersecurity
Experience for Students) Minor Program.
**Repeatable to:** 9 credits if content differs.

HACS479 Undergraduate Research in Cybersecurity (1-3 Credits)
The Advanced Cybersecurity Experience for Students (ACES) program
courages its students to engage in research in order to gain greater
insight into a specific area within cybersecurity, obtain an appreciation
for the subtleties and difficulties associated with the production of
knowledge and fundamental new applications, and to prepare for
graduate school and the workforce.
**Restriction:** Must be a student in the ACES (Advanced Cybersecurity
Experience for Students) Minor Program; and permission of UGST-HCOL-
ACES Cybersecurity Program.
**Repeatable to:** 6 credits if content differs.

HACS498 Cybersecurity Group Problem Solving (3 Credits)
The Advanced Cybersecurity Experience for Students (ACES) program
courages its students to engage in team problem solving activities in
order to gain greater insight into a specific area within cybersecurity and
to obtain an appreciation for the subtleties and difficulties associated
with these activities in order to prepare students for graduate school and
the workforce. Students engage in a semester long problem solving or
development project under the mentorship of an industry specialist and
with the guidance of university faculty. Through the exercise the students
will develop teamwork experience and professional communication
skills in addition to experience of the project itself. The project might be
evaluation, creation, testing or analysis of some area of cybersecurity as
needed by the mentor-sponsor. A contract of what will be accomplished
is required must be agreed upon by the mentor, the student and the ACES
leadership before the project can begin.
**Restriction:** Must be a student in the ACES (Advanced Cybersecurity
Experience for Students) Minor Program; and permission of UGST-HCOL-
ACES Cybersecurity Program.
**Repeatable to:** 6 credits.