TRANSFER GUIDE
Catalog Years: 2025-2027

University of Virginia BS in Systems Engineering
Associate Transfer Degree Plan in Engineering

COURSE REQUIREMENTS

Complete at VCCS				Complete at UVA		
BACHELOR'S DEGREE REQUIREMENT	**SATISFIED BY**			**BACHELOR'S DEGREE REQUIREMENT**		**4 SEMESTERS (+ Summer) to BS Systems**
Course*	**Credits**	**CC Course**	**Notes**	**Course**	**Credits**	**Notes**
Does not transfer	1-2	SDV 100 or 101		APMA 3100	3	Semester 0 (Summer)
HSS Elective (1 of 3)	3	ENG 111		SYS 2001	3	Semester 1 (Fall)
ENGR 1020	3	ENG 112 or 113	Prefer ENG 113	SYS 2201 (SYS Elective 1 of 3)	4	Semester 1
Unrestricted Elective (1 of 4)	3	Any UCGS Humanities or Fine Arts		SYS 3021	3	Semester 1
Unrestricted Elective (2 of 4)	3	Any UCGS Humanities, Fine Arts, or Lit	This course must come from a different group than prior requirement.	SYS 3023	3	Semester 1
HSS Elective (2 of 3)	3	Any UCGS History		SYS 3055	1	Semester 1
HSS Elective (3 of 3)	3	Any UCGS Social/Behav Science	This course may not be a history course.	APMA 3120	3	Semester 1
APMA 1090	3	MTH 263	MTH 263 prerequisites are not in this transfer guide. Discuss with community college advisor if applicable. 3 credits for APMA 1090 1 credit for APMA 2130	SYS 2202	3	Semester 2 (Spring)
APMA 1110	4	MTH 264		SYS 3034	3	Semester 2
APMA 2120	4	MTH 265		SYS 3060	3	Semester 2
APMA 2130	3	MTH 267		SYS 3062	4	Semester 2
PHYS 1425/1429	4	PHY 241		STS 2600	3	Semester 2
ECE 2200 OR PHYS 2415/2419	4	PHY 242		Unrestricted Elective (3 of 4)	3	Semester 3 (Fall)
CHEM 1410/1411	4	CHM 111		SYS Elective (2 of 3)	3	Semester 3
ENGR 1010 (1 of 2)	2	EGR 121		STS 4500	3	Semester 3

ENGR 1010 (2 of 2)	3	EGR 122	Both EGR 121 & 122 to satisfy ENGR 1010	SYS 4021	3	Semester 3
CS 1110	3-4	EGR 125 or CSC 221		SYS 4053	4	Semester 3
CS 2100	4	CSC 223		Unrestricted Elective (4 of 4)	3	Semester 4 (Spring)
APMA 3080	3	MTH 266		SYS Elective (3 of 3)	3	Semester 4
Engineering Elective	3	EGR 240, 245, 246, or 248		SYS 4054	3	Semester 4
Math/Science Elective I	3	CHM 112, BIO 101, GOL 105, PHY 243		STS 4600	3	Semester 4
				Residency Requirement	0.5	Recommended by advisor
CREDITS PRE-TRANSFER: 66-68				**CREDITS 64.5**		

* **HSS** = Humanities and Social Science (content primarily on studying cultures, society and people)

TRANSFER GUIDANCE

Guaranteed Admission Agreement (GAA)

Students who complete the prescribed curriculum and meet GAA criteria are guaranteed admission into UVA Engineering and directly into the Systems Engineering Major.

- To be competitive for admission outside the GAA, students should meet all or nearly all of the program's general education requirements, earn a minimum GPA of 3.0 or better at their current institution, and have 60-64 transferable credits.

IMPORTANT LINKS & DATES:

- **University Transfer Admissions:** https://admission.virginia.edu/admission/transfer
- **Admission Application:** By March 1 at https://www.commonapp.org/
- **Financial Aid:** https://sfs.virginia.edu/, https://sfs.virginia.edu/financial-aid-new-applicants/how-apply-aid-undergrad-programs/how-apply-financial-aid-transfer, https://sfs.virginia.edu/guide-css-profile
- **FAFSA - Free Application for Federal Student Aid:** April 1 at https://studentaid.gov/

WHAT SHOULD I CONSIDER WHEN SELECTING COURSES?

- Create a schedule for all required courses, pay attention to prerequisites and when courses are offered, complete your first math and English courses in your first year. For help, see Transfer Steps and Resource Center at www.TransferVirginia.org
- Connect with an advisor at your community college and in Systems Engineering at UVA within your first year.

IS THIS DEGREE RIGHT FOR ME?

- Systems Engineering is an interdisciplinary field of engineering and engineering management that focuses on how to best design, integrate, and manage complex systems that involve people, technology, and automation. Systems Engineers are at the heart of creating successful new systems or improving existing ones.
- A bachelor's degree can serve as a springboard to a professional career in consulting, finance, manufacturing, economics, etc., or to graduate study in a wide range of fields and applications.

WHAT IS THE IMPACT ON MY DEGREE OF WORK I HAVE ALREADY COMPLETED?

- **Associate Transfer Degree Completion:** The completion of an Associate Degree results in most first and second year degree requirements being met when you transfer to UVA Engineering, except for APMA, SYS and the STS course not taught through VCCS.
- **Dual Enrollment – Completion of Associate Degree in HS:** The completion of an Associate Degree concurrent with high school results in 60 credits of coursework towards your degree and most general education courses satisfied. Students apply as and enroll as first year for orientation and engagement purposes. Completion of an associate degree concurrent with high school does not make candidates eligible for the GAA.
- **Credit for Prior Learning:** Consult the Undergraduate Record for Advanced Examination test score (i.e. AP, IB, Military Experience) needed to earn course credit: http://records.ureg.virginia.edu/content.php?catoid=52&navoid=4102#adva_exam
- **Catalog Year:** Catalog year determined by first semester of attendance at the community college post high-school graduation.

IS THIS COLLEGE RIGHT FOR ME?

- UVA Engineering has the highest four-year graduation rate for all undergrads and for Hispanic, Asian, and African-American students compared to all public engineering schools in the country.
- UVA Engineering has the highest percentage of women students for all engineering schools with at least 200 female graduates per year. Learn more at https://ira.virginia.edu/university-stats-facts/degrees-awarded.
- AccessUVA guarantees 100% of demonstrated need for undergraduates, who are admitted on a need-blind basis.
- UVA engineering emphasizes the integral role of engineering in society, and our grads are widely recognized for their leadership and communication skills.

DID YOU KNOW THAT…

- Completing your Associate transfer degree post-high school satisfies all lower division general education requirements and increases the chance of completing your bachelor's degree.
- Exceeding 3 years or 90 credits at your community college means you may have exhausted your financial aid at that college and have limited your future financial aid at the University of Virginia.

WHAT CAN I DO WITH THIS DEGREE?

- Explore careers of UVA Engineering graduates through the UVA Graduate Outcome Data.
- Explore possible careers, salaries, and job outlook at www.TransferVirginia.org

PROGRAM SUCCESSES & HIGHLIGHTS

- The University of Virginia Department of Systems & Information Engineering brings together outstanding undergraduate and graduate programs with world-class expertise in Human Factors and Ergonomics, Operations Research, and Human Machine Interaction.
- Transfer students who come to UVA Systems Engineering with an associate degree can expect to graduate in 2 years.
- Every student completes a capstone design project and an undergraduate thesis.

WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

- Any transfer student accepted to the UVA School of Engineering and Applied Sciences may major in Systems Engineering. There is no additional major application process. We look forward to you joining our program.
- Most enrolling applicants are admitted without having met all of the guaranteed admission criteria.

DO MORE WITH YOUR DEGREE!

- Systems Engineering students at UVA are involved in extracurricular organizations, including the International Council on Systems Engineering (INCOSE) and the Institute of Industrial and Systems Engineers (IISE).
- UVA Systems Engineering students often gain practical work experience through summer internships with companies in a diverse range of fields, which include consulting, government contracting, manufacturing, finance, just to name a few.

OTHER THAN CLASSES, ARE THERE OTHER PROGRAM REQUIREMENTS?

- All UVA engineers complete a senior thesis portfolio, with a Science, Technology & Society research paper and a technical report. These experiences are integrated into required courses during the fourth year.