

# SAGINAW VALLEY STATE UNIVERSITY

This transfer credit guide provides important information for Delta College students who expect to pursue a bachelor's degree at SVSU. Students who also expect to pursue an associate degree at Delta College should consult directly with a Delta College academic adviser about the associate degree.

This information is subject to change without notice. Individual circumstances, degree paths, and credit totals will vary by student. Students are responsible for maintaining regular contact with an SVSU transfer adviser.

**NOTES:**

<sup>1</sup> This is only a guide; the [SVSU catalog](#) is the official document governing program and degree requirements and transfer policies.

<sup>2</sup> SVSU accepts a maximum of 62 applicable community college transfer credits toward the minimum 124 credit bachelor degree requirement. Students should count credits and limit their choices accordingly.

<sup>3</sup> Bachelor degree candidates must meet SVSU Basic Skills and General Education (BS/GE) requirements. In addition to this academic major guide, refer to and cross reference the supplemental [Basic Skills and General Education guide](#) for appropriate electives.

<sup>4</sup> Two Communication Intensive (CI) courses (3 credits each) are required for the SVSU bachelor degree. See an SVSU transfer adviser.

<sup>5</sup> Michigan Transfer Agreement (MTA) students must complete CI courses at SVSU. Contact an SVSU transfer adviser for additional guidance on this and on other transfer topics.

<sup>6</sup> A pre-requisite course is required for any SVSU course that is listed in bold. Depending upon student course placement, some prerequisite courses may be waived. See an SVSU transfer adviser.

<sup>7</sup> Some majors require a minor. Additional credit options — possibly within GE — may be appropriate. Contact an SVSU transfer adviser for details.

<sup>8</sup> Additional credits, if any, vary by major/minor combination, upper level, transfer-from school, etc. Choice of major/minor combination and of electives can be pertinent to various residency and degree requirements.

## Bachelor of Science in Electrical Engineering

SVSU B.S.E.E. major and prerequisite courses are listed alphabetically according to SVSU's course codes. *Direct, prior completion (or placement waiver) of required courses is needed to progress through the B.S.E.E. program.*

DELTA COLLEGE COURSES			SAGINAW VALLEY STATE UNIVERSITY COURSES		
Course No.	Course Name	Cr	Course No.	Course Name	Cr
CHM 111	General & Inorganic Chemistry I	5	<b>CHEM 111<sup>6</sup> + 111L<sup>6</sup></b>	General Chemistry I Lecture + Lab (GE4)	4 + 1
EGR 235	Circuit Analysis	4	<b>ECE 235<sup>6</sup> + 235L<sup>6</sup></b>	Circuits I + Laboratory	3 + 1
MTH 122W	College Algebra	4	<b>MATH 120A<sup>6</sup></b>	Algebraic Methods: College Algebra (GE3) [as prereq]	4
MTH 121 + 151	Plane Trigonometry + Pre-Calculus Mathematics	3 + 4	<b>MATH 140<sup>6</sup></b>	Introductory Mathematical Analysis (GE3) [as prereq]	4
MTH 161	Analytic Geometry & Calculus I	4	<b>MATH 161<sup>6</sup></b>	Calculus I (GE3)	4
MTH 162	Analytic Geometry & Calculus II	4	<b>MATH 162<sup>6</sup></b>	Calculus II	4
MTH 261	Analytic Geometry & Calculus III	4	<b>MATH 261<sup>6</sup></b>	Calculus III	4
MTH 263 + 264	Intro to Linear Algebra + Intro to Ordinary Differential Equations	3 + 3	<b>MATH 262<sup>6</sup></b>	Differential Equations	4
EGR 100 + 101	Careers in Engr + Engr Design/Analy.	1 + 1	<b>ECE 101<sup>6</sup></b>	Engineering Careers & Concepts	2
EGR 215	Engineering Mechanics: Statics	3	<b>ME 251<sup>6</sup></b>	Engineering Statics	3
PHL 207W + 210W	Engr Ethics + Info Tech Ethics & Law	1 + 2	<b>PHIL 210B<sup>6</sup></b>	Appl Ethics – Engr & Cmpr Tech (GE5)	3
PHY 211	Physics I	5	<b>PHYS 211<sup>6</sup> + 211L<sup>6</sup></b>	Analytical Physics I + Lab (GE 4)	4 + 1
PHY 212	Physics II	5	<b>PHYS 212<sup>6</sup> + 212L<sup>6</sup></b>	Analytical Physics II + Lab	4 + 1
<b>Subtotal toward 62 CC Maximum<sup>2</sup>:</b>		<b>56</b>			

### SVSU GENERAL EDUCATION ELECTIVES AT DELTA

Remaining GE: Categories 1, 2, 6, 7, 8, 9, 10 <sup>5,7</sup>	15-21 <sup>5</sup>	See BS/GE Guide <sup>3,4</sup>	MTA students, reserve GE8, & either GE6 or GE7 for completion at SVSU. <sup>5</sup>	0-6
<b>Subtotal toward 62 CC Maximum<sup>2</sup>:</b>	<b>15-21<sup>5</sup></b>			

### ADDITIONAL CREDITS AT DELTA

Other Electives <sup>7,8</sup> :	100-level & above (if any)	Variable <sup>1-8</sup>		
<b>Total toward 62 CC Maximum<sup>2</sup>:</b>	<b>62</b>	<b>Maximum Transfer Total<sup>2</sup>:</b>	<b>62</b>	

### Additional SVSU Courses<sup>6</sup>

Minimum remaining major and elective credits at SVSU. Students are responsible for maintaining close and regular contact with an SVSU transfer adviser and for consulting the SVSU catalog.<sup>1-8</sup>

Course No.	Course Title	Cr	Course No.	Course Title	Cr
<b>ECE 216 + L</b>	Digital Circuits + Lab	3 + 1	<b>ECE 368 + L</b>	Computer Engineering I + Lab	3 + 1
<b>ECE 255</b>	Electrical Engineering Computer Methods	3	<b>ECE 441</b>	Electric Power Systems	3
<b>ECE 302</b>	Electrical Engineering Analysis	3	<b>ECE 450</b>	Digital Signal Processing	3
<b>ECE 318 + L</b>	Electronic Circuits I + Lab	3 + 1	<b>ECE 453 + L</b>	Electronic Communications + Lab	3 + 1
<b>ECE 335</b>	Circuits II	3	<b>ECE 460 + L</b>	Digital Control Systems + Lab	3 + 1
<b>ECE 341 + L</b>	Intro to Power Electronics & Drives + Lab	3 + 1	<b>ECE 497 + 499</b>	Senior Design Project I + II	2 + 2
<b>ECE 345</b>	Electromagnetic Fields	3	<b>ECE Electives:</b>	See Catalog for Approved List	9
<b>ECE 355 + L</b>	Microprocessors/Microcomputers + Lab	3 + 1	Other Electives <sup>7,8</sup> : Toward <i>minimum</i> 124 credit requirement	Variable <sup>1-8</sup>	
<b>ECE 358 + L</b>	Electronic Circuits II + Lab	3 + 1	<b>Minimum SVSU Total<sup>1</sup></b>	<b>62+</b>	
<b>ECE 360</b>	Automatic Control Systems	3	<b>Minimum Overall Total (100 Level +)<sup>1</sup></b>	<b>124+</b>	

### Meet with an SVSU transfer adviser at Delta College.

Visit the University Transfer Center in D-102, call 989-686-9330, email [transfer@svsu.edu](mailto:transfer@svsu.edu), or discover more at [svsu.edu/transfer](http://svsu.edu/transfer).