

# 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 Mechanical Engineering

SVSU B.S.M.E. major and prerequisite courses are listed alphabetically according to SVSU's course codes.

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>ME 101<sup>6</sup></b>	Engineering Careers & Concepts	2
EGR 165 OR 166	Intro to Engr Graphics OR Engr Graphics	4	<b>ME 220<sup>6</sup></b>	Computer Aided Design	3
EGR 215	Engineering Mechanics: Statics	3	<b>ME 251<sup>6</sup></b>	Engineering Statics	3
EGR 216	Engineering Mechanics: Dynamics	3	<b>ME 252<sup>6</sup></b>	Engineering Dynamics	3
PHL 207W + 210W	Engr Ethics + Info Tech Ethics & Law	1 + 2	<b>PHIL 210B<sup>6</sup></b>	Appl Ethics – Engr & Cmptr 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>63</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>ME 202</b>	Engineering Data Analysis	3	<b>ME 480</b>	Senior Design I	3
<b>ME 250</b>	Principles of Engineering Materials	4	<b>ME 481</b>	Senior Design II	2
<b>ME 311</b>	Thermodynamics I	3	<b>ME 445 OR 454</b>	Mech. Vibrations OR Advanced Solid Mechanics	3
<b>ME 353</b>	Solid Mechanics	4	<b>ME 411 OR 458</b>	Thermodynamics II OR Comp. Fluid Dynamics	3
<b>ME 356</b>	Fluid Mechanics	4	<b>ME Electives:</b>	See Catalog for Approved List	9
<b>ME 380</b>	Manufacturing Processes & System	4	Other Electives <sup>7,8</sup> : Toward <i>minimum</i> 124 credit requirement		Variable <sup>1-8</sup>
<b>ME 384</b>	Computational & Experimental Methods in Eng.	4	<b>Minimum SVSU Total<sup>1</sup></b>		<b>62+</b>
<b>ME 420</b>	Heat Transfer	4	<b>Minimum Overall Total (100 Level +)<sup>1</sup></b>		<b>124+</b>
<b>ME 451</b>	Machine Design	3			
<b>ME 460</b>	Control Systems	3			

### 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).