

# Business & Industry

Agricultural Animal Systems			Business Management			IT Web & Digital Media		
5110	Prin. Of Agriculture, Food & Nat Res	9-11	5310	Prin. Business Marketing & Fin	9-11	5311	BIM I	9-12
5111	Wildlife Fisheries	10-12	5331	Business Management	10-12	5351	Digital Media	10-12
5122	Livestock Production	10-12	5312	Business Info Management II	10-12	5352	Web Technology	10-12
5123	Animal Science	12	5313	Human Resource Management (.5 credit)	11-12	5312	Business Info Management II	10-12
5121	Equine Science (.5 credit)	10-12	5332	Business Law	11-12	5812	Computer Science Applications (AP C.S.)	10-12
5124	Small Animal Management (.5 credit)	10-12	5320	Money Matters	10-12	5320	Money Matters	10-12
1571	Aquatic Science	11-12	5330	Entrepreneurship	10-12	5331	Business Management	10-12
5125	Veterinary Medical Applications	11-12	5321	Accounting I	10-12	5313	Human Resource Management (.5 credit)	11-12
5126-TBA	Practicum Health Science-Vet Technician	12	5314	Banking & Financial Services (.5 credit)	11-12	5341	Practicum Business, Marketing, Finance I	11-12
			5322	Accounting II	11-12	5342	Practicum Business, Marketing, Finance II	12
<b>Agricultural Mechanics</b>			5341	Practicum Business, Marketing, Finance I	11-12			
5110	Prin. Of Agriculture, Food & Nat Res	9-11	5342	Practicum Business, Marketing, Finance II	12	<b>Manufacturing</b>		
5131	Ag Mechanics & Metal	10-12	<b>Business Marketing</b>			5310	Prin. Business Marketing & Fin.	9-11
5132	Ag Structures Design & Fabrication	11-12	5310	Prin. Business Marketing & Fin	9-11	5110	Prin. Of Ag. Food & Nat Res	9-12
5891	Dual Credit Machine	11-12	5330	Entrepreneurship	10-12	5131	Ag Mechanics and Metal	10-12
5892	Dual Credit Auto Tech	11-12	5333	Advertising (.5 credit)	10-12	5132	Ag Facility Design & Fabrication	11-12
5133	Dual Credit Welding	11-12	5335	Sports & Entertainment Marketing (.5 credit)	10-12	5133	Dual Credit Welding	11-12
5341	Practicum Business, Marketing, Finance I	11-12	5341	Practicum Business, Marketing, Finance I	11-12	5891	Dual Credit Machine	11-12
5342	Practicum Business, Marketing, Finance II	12	5320	Money Matters	10-12	5892	Dual Credit Auto Tech	11-12
<b>Agricultural Plant Systems</b>			5331	Business Management	10-12	5341	Practicum Business, Marketing, Finance I	11-12
5110	Prin. Of Agriculture, Food & Nat Res	9-11	5351	Digital Media	10-12	5342	Practicum Business, Marketing, Finance II	12
5141	Floral Design	10-12	5321	Accounting I	10-12			
5143	Horticulture	11-12	5322	Accounting II	11-12	<b>Journalism</b>		
5144	Plant & Soil Science	12	5312	Business Info Management II	10-12	0580	Journalism	9-12
5142	Floral Design II	11-12	5314	Banking & Financial Services (.5 credit)	11-12	0581-0583	Yearbook I-III	10-12
5341	Practicum Business, Marketing, Finance I	11-12	5332	Business Law	11-12	0591-0593	Newspaper I-III	10-12
5342	Practicum Business, Marketing, Finance II	12	5313	Human Resource Management (.5 credit)	11-12	0611-0613	Photojournalism I-III	10-12
<b>AV Tech &amp; Communication</b>			5342	Practicum Business, Marketing, Finance II	12	0553	Practical Writing	9-11
5210	Prin. Arts, AV Tech & Communications	9-11	<b>Financial Management &amp; Accounting</b>			0554	Creative Writing	10-12
5211	Audio/ Video Production I	10-12	5310	Prin. Business Marketing & Fin	9-11	0594	Independent Study Newspaper	11-12
5212	Audio/ Video Production II	11-12	5321	Accounting I	10-12	0584	Independent Study Yearbook	12
5221	Digital Audio Technology I	10-12	5320	Money Matters	10-12	<b>Debate</b>		
5222	Digital Audio Technology II	11-12	5322	Accounting II	11-12	0571	Debate	9-12
5351	Digital Media	10-12	5314	Banking & Financial Services (.5 credit)	11-12	0572-0574	Adv. Debate II-IV	10-12
5341	Practicum Business, Marketing, Finance I	11-12	5331	Business Management	10-12	0563-0565	Public Speaking I-III	9-12
5342	Practicum Business, Marketing, Finance II	12	5332	Business Law	11-12	<b>MULTIDISCIPLINARY</b> <ul style="list-style-type: none"> <li>4 Credits in each of the four foundation subject areas to include English IV and Chemistry and/or Physics</li> <li>4 AP courses to include one credit in each of the four foundation subjects</li> <li>4 Advanced Courses from within one endorsement area that are not in coherent sequence</li> </ul>		
<b>Restaurant Food &amp; Beverage</b>			5312	Business Info Management II	10-12			
5410	Prin. Of Human Services	9-11	5313	Human Resource Management (.5 credit)	11-12			
5431	Introduction to Culinary Arts	10-11	5341	Practicum Business, Marketing, Finance I	11-12			
5432	Culinary Arts	11-12	5342	Practicum Business, Marketing, Finance II	12			
5433	Culinary Arts II	12						
5341	Practicum Business, Marketing, Finance I	11-12						
5342	Practicum Business, Marketing, Finance II	12						

- CTE Pathway (4 *coherent* credits in CTE that can crossover Endorsements as long as 2 courses are from the same cluster and 1 course is advanced. Endorsement is determined by the final course in the sequence.)
- BIM I, Health, and Professional Communications or substitute are graduation requirements for Montgomery ISD for all endorsements.
- Bold** courses reflect recommended courses per pathway but can be modified.

# Public Services

Education Training						Law Enforcement Services		
5420	Prin. Of Education Training	9-11				5610	Prin. of Law and Security	9-11
5421	Human Growth and Development	10-11				5611	Law Enforcement	10-12
5422	Instructional Practices Edu.	11-12				5614	Forensic Science	11-12
5423	Practicum in Education Training	12				5612	Court Systems	10-12
5410	Prin. Of Human Services	9-11				5615	Intro to American Law	10-12
5424	Peer Coaching	11-12				5616	Dual Credit Criminal Justice	11-12
Human Services Interior & Fashion Design			Health Science - Medical					
5410	Prin. Of Human Services	9-11	5510	Prin. Of Health Science	9-11	MCJROTC		
5450	Prin. Of Architecture	10-12	5513	Health Science Theory	10-12	5621	MCJROTC I	9-12
5451	Interior Design	10-12	1551	Anatomy & Physiology	11-12	5622	MCJROTC II	10-12
5452	Interior Design II	11-12	5514	Pharmacology	11-12	5623	MCJROTC III	11-12
5441	Fashion Design I	10-12	5515	Pathophysiology	11-12	5624	MCJROTC IV	12
5442	Fashion Design II	11-12	5614	Forensic Science	11-12	5632	MCJROTC Drill II	10-12
5141	Prin. of Floral Design	10-12	5516	Practicum in Health Science-Clinical	11-12	5633	MCJROTC Drill III	11-12
5142	Floral Design II	11-12	5517	Practicum in Health Science- CNA	12	5634	MCJROTC Drill IV	12
5351	Digital Media	10-12	5518	Practicum in Health Science- Pharmacy Tech	12	5641	MCJROTC Leadership 11	11-12
			5126-TBA	Practicum in Health Science- Vet Technician	12	5642	MCJROTC Leadership 12	12
			5519	Dual Credit EMT	12	5643	MCJROTC Command Development	12

# Arts & Humanities

Art			Choir-W			Social Studies Pathway (5 Credits)		
4511	Art I	9-12	4300	Bel Canto	9	Four levels of the same language other than English (LOTE)		
4522	Art II Draw	10-12	4301- 4304	A Capella Women I-IV	9-12	Two levels of the same LOTE and two more levels of a different LOTE		
4532	Art II Paint	10-12	4321- 4324	Concert Women I-IV	9-12	<b>STEM</b>		
4542	Art II Sculpt	10-12	4341- 4344	Varsity Choir Women I-IV	9-12	<b>Project Lead The Way (PLTW) Engineering</b>		
4552	Art II Ceramics	10-12	4351-4352	Jazz Girls I-II	9-12	5801	Intro to Engineering Design (IED)	9-11
4523	Art III Draw	11-12	4361- 4364	Madrigals Ensemble I-IV	9-12	5802	Civil Engineering Arch.	10-12
4533	Art III Paint	11-12	<b>Choir- M</b>			5803	Aerospace Engineering	10-12
4553	Art III Ceramics	11-12	4311	Concert Men I	9	5804	Digital Electronics	10-12
4562	AP Studio Art 2D	11-12	4312-4314	Concert Men II-IV	10-12	5805	Principles of Engineering	11-12
4524	Art IV Draw	12	4331-4334	Varsity Choir Men I-IV	9-12	5806	Capstone Engineering Design & Devel.	12
4534	Art IV Paint	12	4361- 4364	Madrigals Ensemble I-IV	9-12	5807	Introduction to Robotics and Automation	10-12
4554	Art IV Ceramics	12	<b>Dance</b>			5808	Scientific Research & Design Adv Robotics	11-12
<b>Band</b>			4621-4624	Dance Team I-IV	9-12	<b>Project Lead The Way (PLTW) Computer Science</b>		
4201	Band I MB	9-12	4611-4614	Dance I-IV	9-12	<b>Project Lead The Way (PLTW) Computer Science</b>		
4202	Band II MB	10-12	4631-4633	Dance Productions I-III	10-12	5811	Computer Science Principles	9-11
4203	Band III MB	11-12	<b>Theatre Arts</b>			5812	Computer Science Applications (AP C.S.)	10-12
4204	Band IV MB	12	4401-4404	Theatre Arts I-IV	9-12	5813-TBA	Cybersecurity/Artificial Intelligence	11-12
4211-4214	Band Techniques I-IV	9-12	4411-4414	Tech Theatre I-IV	9-12	5814-TBA	Capstone Computational Prob. Solv.	12
4221-4224	Jazz Band I-IV	9-12	4421-4423	Theatre Productions	9-12	5807	Introduction to Robotics and Automation	10-12
4231-4232	Beginner Band I-II	9-10	4431	Theatre Direction	10-12	5808	Scientific Research & Design Adv. Robotics	11-12
			4432	Comedy & Improv (.5 Credit)	10-12			
			4433	World Drama (.5 Credit)	10-12	<b>Science Pathway (5 Credits)</b>		
			4441-4444	Tech Theatre OAP I-IV (Committee Approval)	9-12	<b>Math Pathway (5 Credits)</b>		