

PHYS (NEW)			PHYS-MATH (NEW)			MATH-PHYS (NEW)			MATH (NEW)		
First Semester	Cr.	ECTS	First Semester	Cr.	ECTS	First Semester	Cr.	ECTS	First Semester	Cr.	ECTS
AE111/AE112**,**	3	3/4.	AE111/AE112**,**	3	3/4.	MATH 131	4	8	MATH 131	4	8
CHEM 105	4	6	CHEM 105	4	6	MATH 111	4	8	MATH 111	4	8
MATH 101	4	6	MATH 101	4	6	PHYS 101 ##	4	8	PHYS 101 ##	4	8
PHYS 101	4	8	PHYS 101	4	8	Unrest. Elect.	3	5	Unrest. Elect.	3	5
PHYS 197	3	6	PHYS 197	3	6	AE 111/HSS/MLE #	3	3	AE 111/HSS/MLE #	3	3
	<b>18</b>	<b>29/30</b>		<b>18</b>	<b>29/30</b>		<b>18</b>	<b>32</b>		<b>18</b>	<b>32</b>
<b>Second semester</b>			<b>Second semester</b>			<b>Second semester</b>			<b>Second semester</b>		
HSS Elect.	3	5	HSS Elect.	3	5	MATH 132	4	8	MATH 132	4	8
MATH 102	4	6	MATH 102	4	6	MATH 162	4	8	MATH 162	4	8
PHYS 102	4	8	PHYS 102	4	8	PHYS 102 ##	4	8	PHYS 102 ##	4	8
PHYS 198	3	6	PHYS 198	3	6	Unrest. Elect.	3	5	Unrest. Elect.	3	5
S. Science Elective	3	7	S. Science Elective	3	7	AE 112/HSS/MLE #	3	4	AE 112/HSS/MLE #	3	4
	<b>17</b>	<b>32</b>		<b>17</b>	<b>32</b>		<b>18</b>	<b>33</b>		<b>18</b>	<b>33</b>
<b>Third semester</b>			<b>Third semester</b>			<b>Third semester</b>			<b>Third semester</b>		
EC 101	3	6	EC 101	3	5	MATH 221	4	8	MATH 221	4	8
HSS Elect.	3	5	MATH 201 ###	4	5	MATH 231	4	8	MATH 231	4	8
MATH 201	4	5	MATH 111	4	8	PHYS 201 ##	4	6	PHYS 201 ##	4	6
PHYS 201	4	6	MATH 231	4	8	CMPE 150	3	5	CMPE 150	3	5
PHYS 221	3	5	PHYS 201	4	6	TK 221	2	3	TK 221	2	3
TK 221	2	3	PHYS 221	3	5	PHYS 221	3	5			
			TK 221	2	3						
	<b>19</b>	<b>30</b>		<b>24</b>	<b>40</b>		<b>20</b>	<b>35</b>		<b>17</b>	<b>30</b>
<b>Fourth Semester</b>			<b>Fourth Semester</b>			<b>Fourth Semester</b>			<b>Fourth Semester</b>		
EC 102	3	6	EC 102	3	6	MATH 202	4	7	MATH 202	4	7
EE 210	3	6	EE 210	3	6	MATH 222	4	8	MATH 222	4	8
HSS Elect.	3	5	MATH 202	4	7	MATH 234	4	8	MATH 234	4	8
MATH 202	4	7	MATH 222	4	8	HSS/MLE	3	5	HSS/MLE	3	5
PHYS 202	4	6	MATH 234	4	8	TK 222	2	3	TK 222	2	3
TK 222	2	3	PHYS 202	4	6	PHYS 202 ##	4	6			
			TK 222	2	3						
	<b>19</b>	<b>33</b>		<b>24</b>	<b>44</b>		<b>21</b>	<b>36</b>		<b>17</b>	<b>31</b>
<b>Fifth Semester</b>			<b>Fifth Semester</b>			<b>Fifth Semester</b>			<b>Fifth Semester</b>		
HTR 311	2	3	HTR 311	2	3	MATH 323	4	8	MATH 323	4	8
PHYS 301	3	6	MATH 323	4	8	MATH 331	4	8	MATH 331	4	8
PHYS 311	3	7	MATH 331	4	8	Unrest. Elective	3	5	Unrest. Elective	3	5
PHYS 325	3	5	PHYS 301	3	6	HSS	3	5	HSS	3	5
PHYS 331	3	5	PHYS 311	3	7	HTR 311	2	3	HTR 311	2	3
Unrestricted elective	3	4	PHYS 325	3	5	PHYS 311	3	7			
			PHYS 331	3	5						
	<b>17</b>	<b>30</b>		<b>22</b>	<b>42</b>		<b>19</b>	<b>36</b>		<b>16</b>	<b>29</b>
<b>Sixth Semester</b>			<b>Sixth Semester</b>			<b>Sixth Semester</b>			<b>Sixth Semester</b>		
HTR 312	2	3	HTR 312	2	3	MATH 338	4	8	MATH 338	4	8
PHYS 302	3	3	PHYS 302	3	3	MATH Elective #####	3	6	MATH Elective	3	6
PHYS 312	3	5	PHYS 312	3	5	MATH Elective #####	3	6	MATH Elective	3	6
PHYS 326	3	6	PHYS 326	3	6	PHYS 312	3	5	Science Elect.	3	5
PHYS 442	4	7	PHYS 442	4	7	PHYS 302	3	3	HSS	3	5
Unrestricted elective	3	6	MATH 338	4	8	HTR 312	2	3	HTR 312	2	3
			HSS Elect.	3	6	PHYS 331/442/443	3	5			
	<b>18</b>	<b>30</b>		<b>22</b>	<b>38</b>		<b>21</b>	<b>36</b>		<b>18</b>	<b>33</b>
<b>Seventh Semester</b>			<b>Seventh Semester</b>			<b>Seventh Semester</b>			<b>Seventh Semester</b>		
PHYS 401	3	4	PHYS 401	3	4	PHYS --Dept. Elect.	3	6	MATH Elective	3	6
PHYS 411	3	6	PHYS 411	3	6	MATH Elective #####	3	6	MATH Elective	3	6
PHYS 421	3	6	PHYS 421	3	6	PHYS 401	3	4	Unrest Elective	3	5
PHYS 443	4	8	PHYS 443	4	8	PHYS 411	3	6	Unrest. Elective	3	5
Unrestricted elective	3	6	MATH Elective #####	3	6	Science Elect.	3	5	Science Elect.	3	5
			MATH Elective #####	3	6	MATH Elective #####	3	6			
			HSS Elect.	3	6	Unrest. Elective	3	5			
	<b>16</b>	<b>30</b>		<b>22</b>	<b>42</b>		<b>21</b>	<b>37</b>		<b>15</b>	<b>27</b>
<b>Eight Semester</b>			<b>Eight Semester</b>			<b>Eight Semester</b>			<b>Eight Semester</b>		
PHYS 402	3	6	MATH Elective #####	3	6	HSS	3	5	MATH Elective	3	6
PHYS 412	3	6	MATH Elective #####	3	6	MATH Elective #####	3	6	MATH Elective	3	6
PHYS --Dept. Elect.	3	6	MATH Elective #####	3	6	Science Elect.	3	5	MATH Elective	3	6
Unrestricted elective	3	6	PHYS --Dept. Elect.	3	6	PHYS 402	3	6	Unrest. Elective	3	5
Unrestricted elective	3	6	PHYS 402	3	6	PHYS 412	3	6	HSS	3	5
			PHYS 412	3	6	Unrest. Elective #####	3	5			
						Unrest. Elective #####	3	5			
	<b>15</b>	<b>30</b>		<b>18</b>	<b>36</b>		<b>21</b>	<b>39</b>		<b>15</b>	<b>28</b>
<b>Total:</b>	<b>143</b>	<b>251/252</b>		<b>167</b>	<b>274</b>		<b>159</b>	<b>284</b>		<b>134</b>	<b>243</b>
<b>Overload</b>				<b>24</b>			<b>25</b>				
# MATH-PHYS Students who pass the preparatory year with an English proficiency level of C are required to take AE 111 and AE 112. Students whose Proficiency Exam scores are B and above are required to take HSS or MLE (Modern Language Elective). ## For MATH-PHYS Students Physics courses are one of the 3 series: 1) PHYS 101, PHYS 102, PHYS 201, PHYS 202 2) PHYS 101, PHYS 130, PHYS 201, or 3) PHYS 121, PHYS 201, PHYS 202. Students who choose 2nd or 3rd series can take an unrestricted elective instead of PHYS102 or PHYS 202. ### PHYS-MATH students are encouraged to take MATH 221 instead of MATH 201. #### These courses must be chosen from MATH department. ##### MATH-PHYS students are encourage to chose these courses from either Physics or Mathematics departments.											