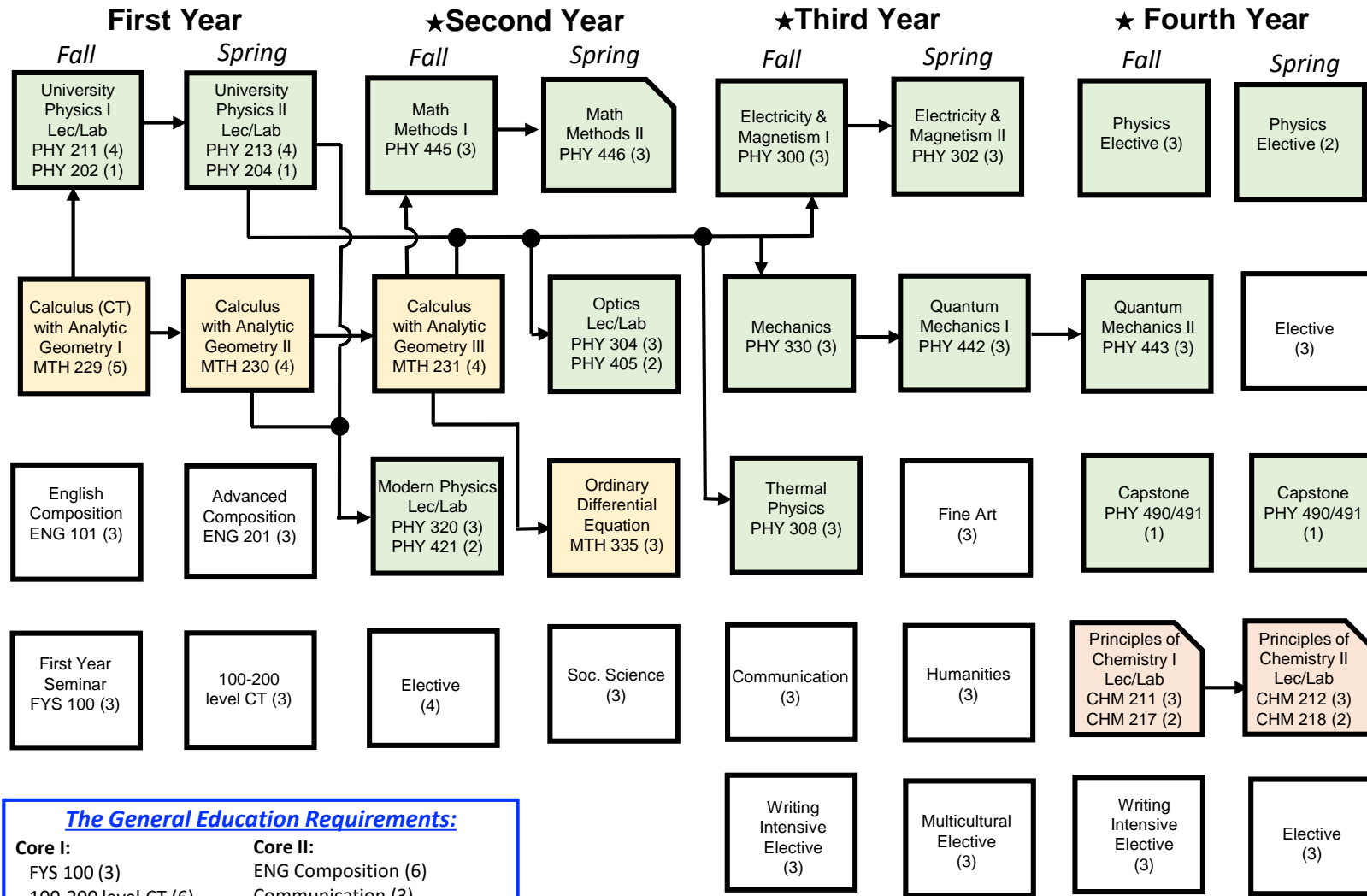


# BS in Physics : Sample Curriculum (Revision 5-25-17)



★ Advanced physics courses are offered every two to three semesters; check with the Physics Department for availability.

• This is a sample curriculum only, the order of courses you take could be different depending on your year of entrance.

• All students must take more than 2 credits hours of capstone research

Course name  
Course number  
(credits)

Course requires a pre-requisite  
(arrow enters from side)

Not required but strongly recommended

Required course

Total Hours:  
120

*MTH 335 is not required for the Math minor. If interested in mathematical proofs and picking up a minor in Math, take MTH 300 as one of your electives.*

**The General Education Requirements:**

**Core I:**  
FYS 100 (3)  
100-200 level CT (6)

**Core II:**  
ENG Composition (6)  
Communication (3)  
Math (3)

**Additional Requirements:**  
Writing Intensive (6)  
Multicultural or International (3)

Physical or Natural Science (4)  
Social Science (3)  
Humanities (3)  
Fine Arts (3)

16 credits

15 credits

16 credits

14 credits

15 credits

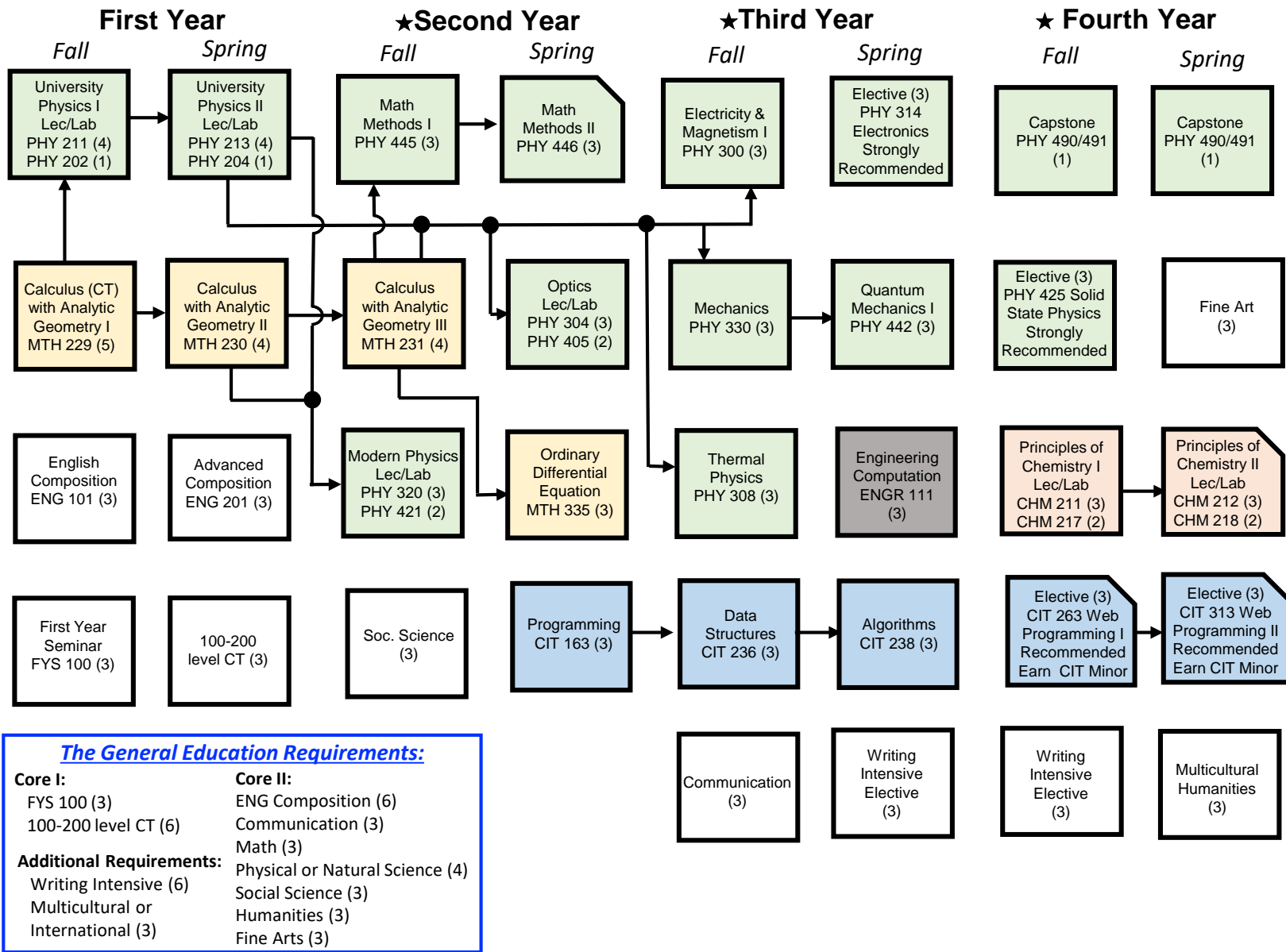
15 credits

15 credits

14 credits

If you have questions or find inconsistencies, please contact  
Dr. Sean P. McBride  
mcbrides@marshall.edu

# BS Physics/Minor CIT : AoE Applied Physics : Sample Curriculum (Revision 5-27-17)



★ Advanced physics courses are offered every two to three semesters; check with the Physics Department for availability.

• This is a sample curriculum only, the order of courses you take could be different depending on your year of entrance.

• All students must take more than 2 credits hours of capstone research

Course name  
Course number  
(credits)

Course requires a pre-requisite  
(arrow enters from side)

Not required but strongly recommended

Required course

Total Hours:  
120

If you have questions or find inconsistencies, please contact  
Dr. Sean P. McBride  
mcbrides@marshall.edu

16 credits

15 credits

15 credits

14 credits

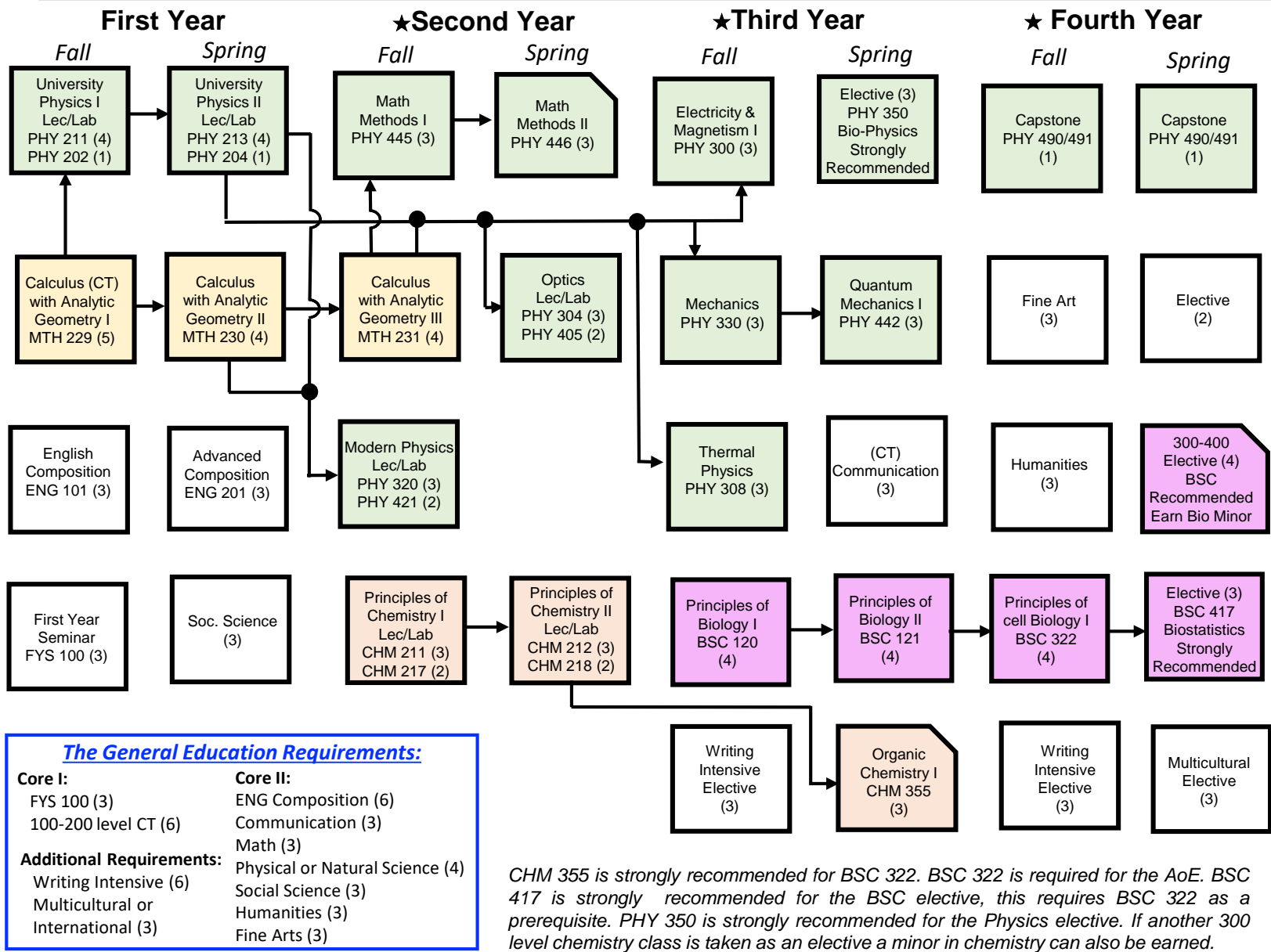
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15 credits

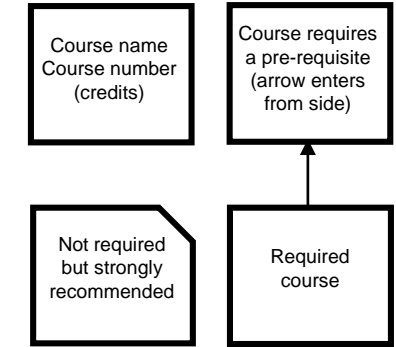
15 credits

15 credits

# BS Physics/Minor Biology : AoE Bio Physics : Sample Curriculum (Revision 5-25-17)



- ★ Advanced physics courses are offered every two to three semesters; check with the Physics Department for availability.
- This is a sample curriculum only, the order of courses you take could be different depending on your year of entrance.
- All students must take more than 2 credits hours of capstone research



16 credits

15 credits

17 credits

13 credits

16 credits

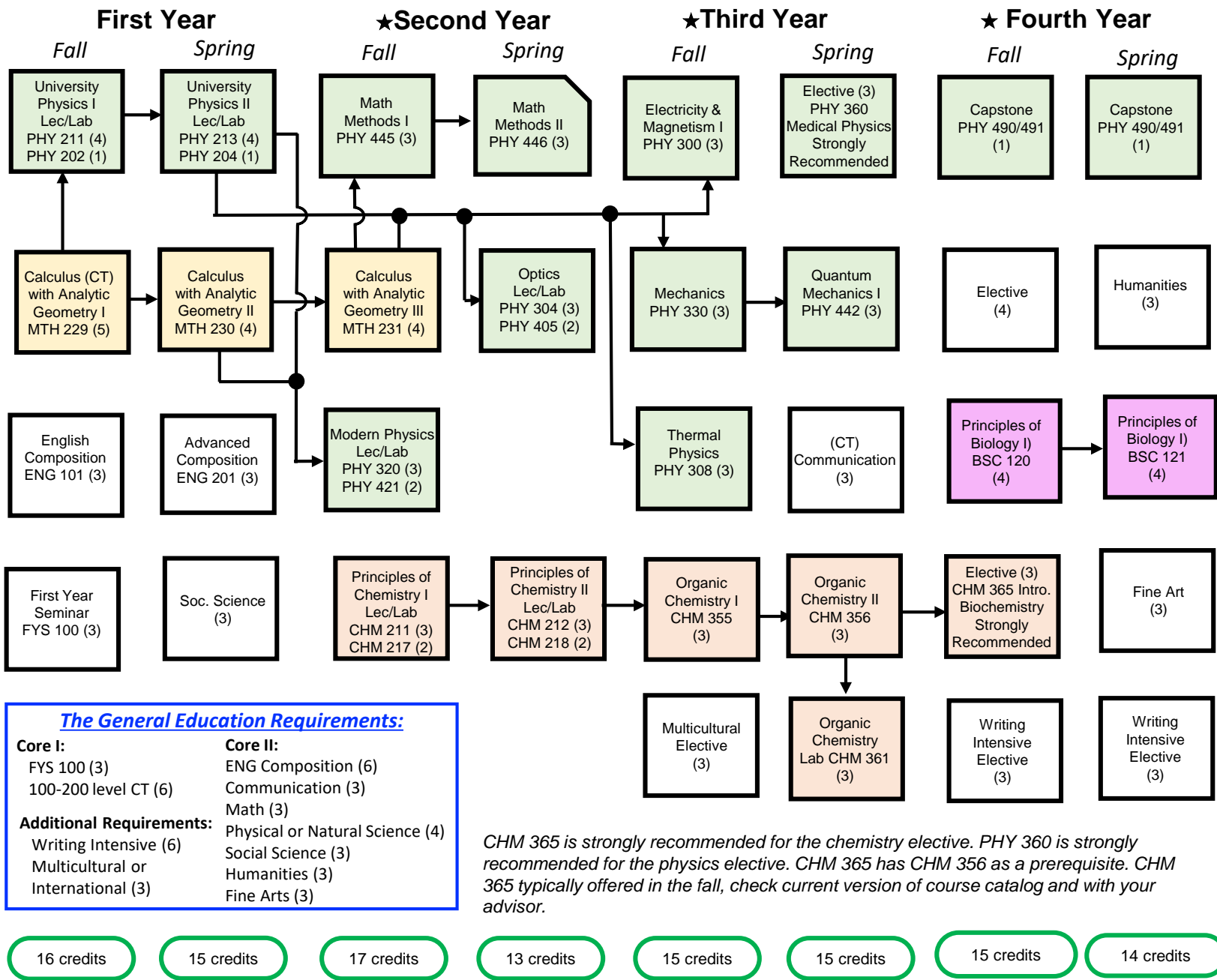
16 credits

14 credits

13 credits

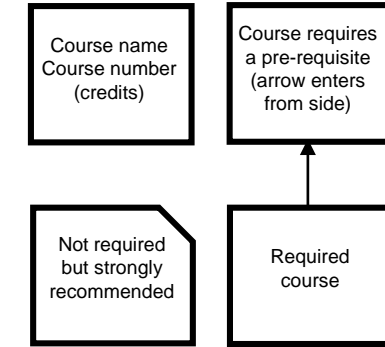
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mcbrides@marshall.edu

# BS Physics/Minor Chemistry : AoE Medical Physics : Sample Curriculum (Revision 5-25-17)



★ Advanced physics courses are offered every two to three semesters; check with the Physics Department for availability.

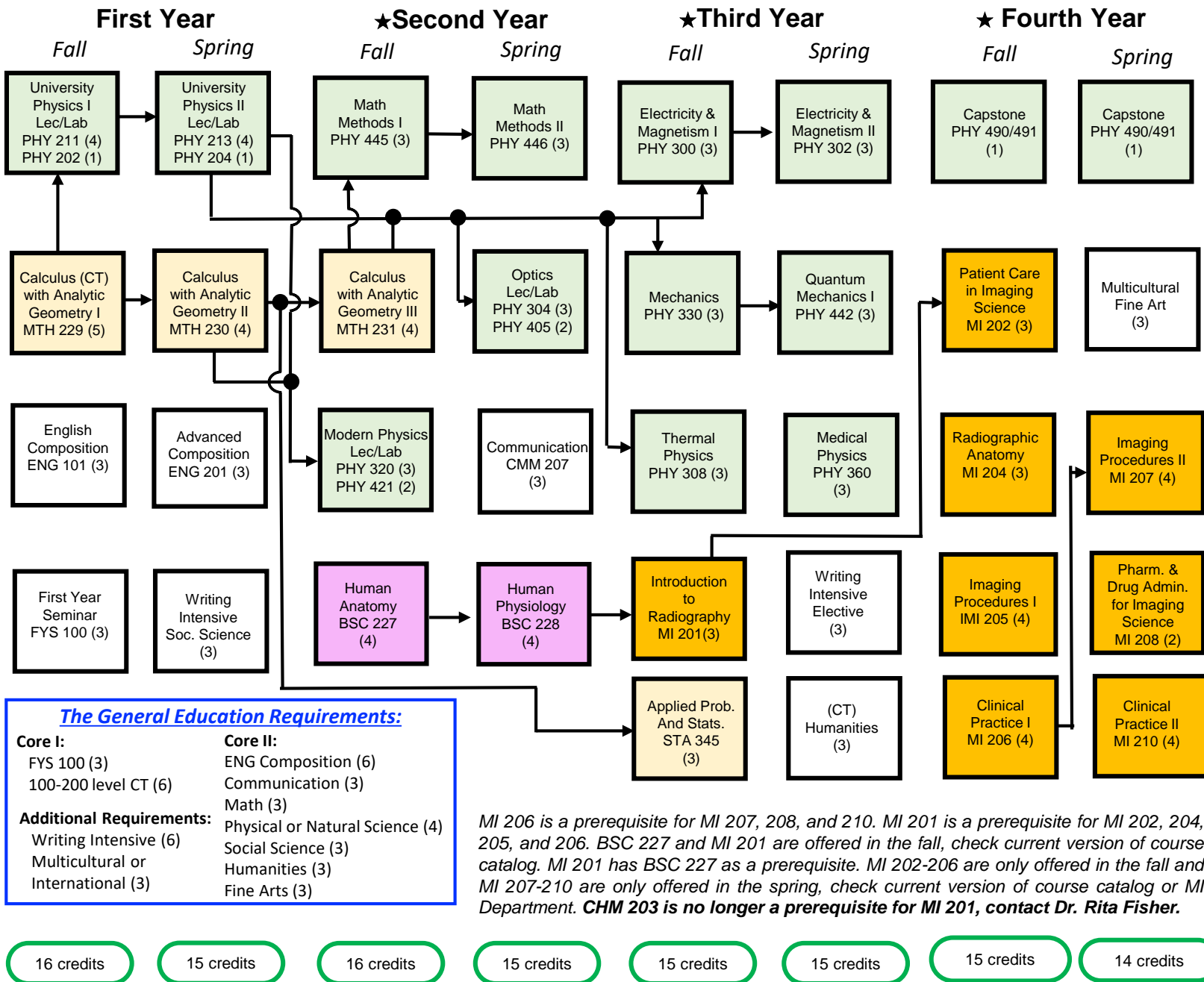
- This is a sample curriculum only, the order of courses you take could be different depending on your year of entrance.
- All students must take more than 2 credits hours of capstone research



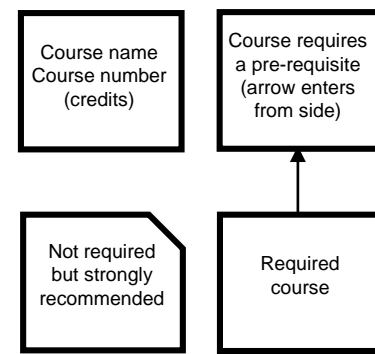
**Total Hours:**  
120

If you have questions or find inconsistencies, please contact  
Dr. Sean P. McBride  
mcbrides@marshall.edu

# BS Physics : AoE Medical Imaging : Sample Curriculum (Revision 6-13-17)

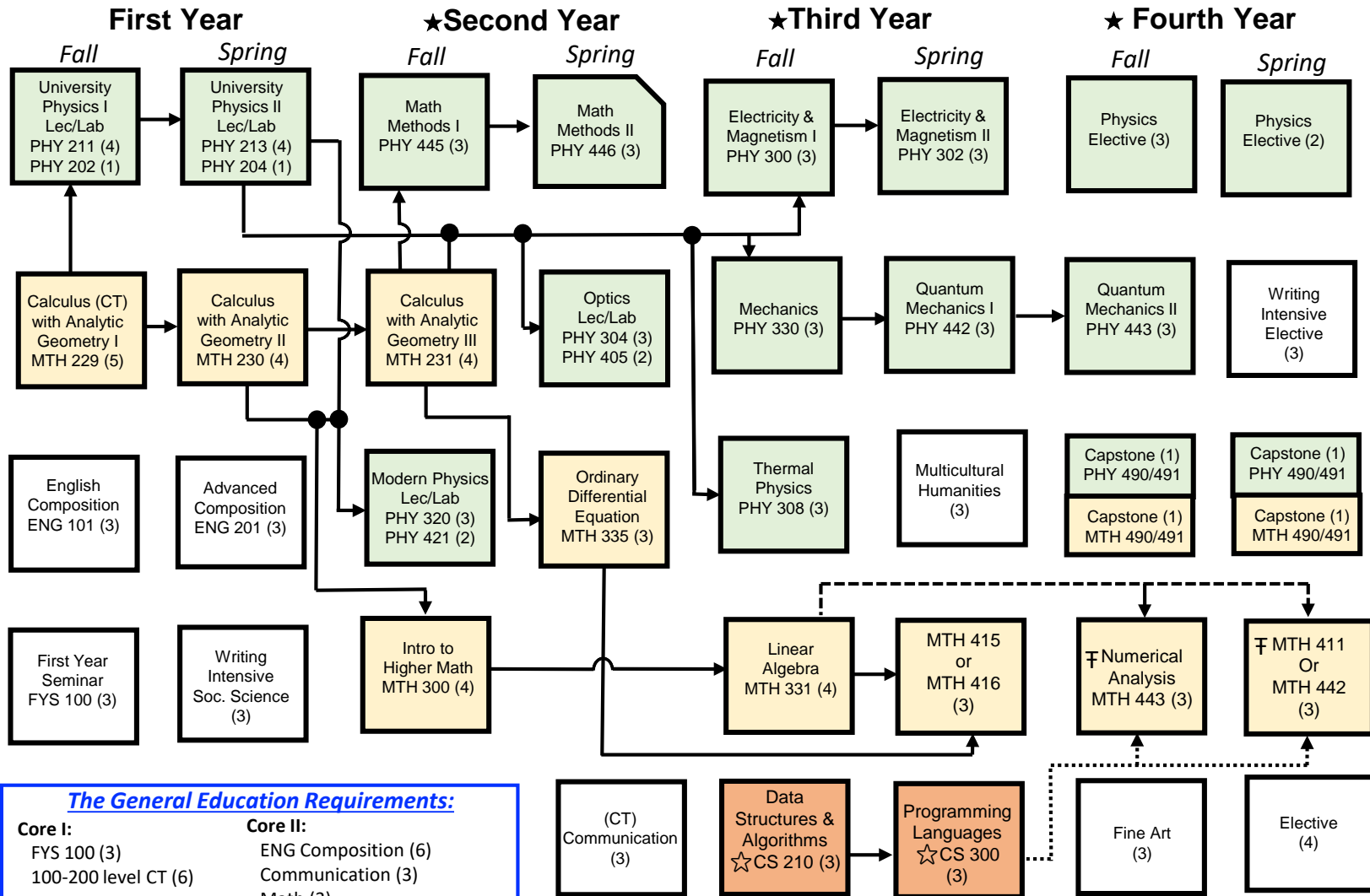


- ★ Advanced physics courses are offered every two to three semesters; check with the Physics Department for availability.
- This is a sample curriculum only, the order of courses you take could be different depending on your year of entrance.
- All students must take more than 2 credits hours of capstone research



If you have questions or find inconsistencies, please contact Dr. Sean P. McBride [mcbrides@marshall.edu](mailto:mcbrides@marshall.edu)

# Dual Major in Physics & Applied Math : Sample Curriculum (Revision 5-25-17)



**The General Education Requirements:**

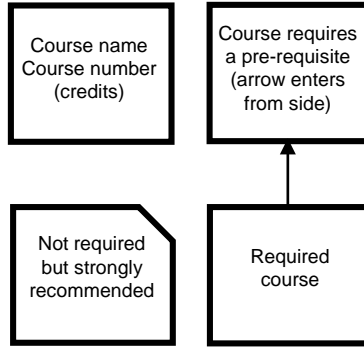
**Core I:**  
 FYS 100 (3)  
 100-200 level CT (6)

**Core II:**  
 ENG Composition (6)  
 Communication (3)  
 Math (3)  
 Physical or Natural Science (4)  
 Social Science (3)  
 Humanities (3)  
 Fine Arts (3)

**Additional Requirements:**  
 Writing Intensive (6)  
 Multicultural or International (3)

(☆ Either fulfills CS 205 offered every spring. 205 is a minimum requirement. CS 210 & CS 300 are recommended.)  
 † MTH 443 and (MTH 411 or MTH 442) can be replaced by MTH 445 and MTH 446. MTH 445 and MTH 411 have only MTH 231 as a Prerequisite. MTH 335 is a prerequisite for both MTH 415 and 416. MTH 335 is not needed if MTH 445 and MTH 446 replace MTH 335 and (MTH 415 or MTH 416); however, currently MTH 335 is still a requirement of the Physics Department, thus the logical sequence to complete MTH 335 and (MTH 415 or MTH 416).

- ★ Advanced physics courses are offered every two to three semesters; check with the Physics Department for availability.
- This is a sample curriculum only, the order of courses you take could be different depending on your year of entrance.
- All students must take more than 2 credits hours of capstone research



**Total Hours:**  
 120

If you have questions or find inconsistencies, please contact  
 Dr. Sean P. McBride  
[mcbrides@marshall.edu](mailto:mcbrides@marshall.edu)

16 credits    15 credits    16 credits    14 credits    16 credits    15 credits    14 credits    14 credits