Chemistry Advising -- comparative information about degree programs

<table>
<thead>
<tr>
<th>Degree Type</th>
<th>BA</th>
<th>BS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentrations</td>
<td>ordinary Teacher Prep'n</td>
<td>ordinary Materials Science Biochemistry</td>
</tr>
<tr>
<td>Units</td>
<td>120</td>
<td>132</td>
</tr>
</tbody>
</table>
| Minor | required optional | <----- optional ----->
| Advisors | Maureen Scharberg (924-4966; DH 516) mscharberg@jupiter.sjsu.edu | Herbert Silber (924-4954; DH 517) hbsilber@sjsu.edu Leon Yengoyan (924-4964: DH 607) lyengoyan@email.sjsu.ed |
| Math | 30 (or 30P) | 30 / 31 / 32 |
| Physics | 2A / 2B [non-calculus] | 70 / 71 / 72 (= 50 / 51 / 52 / 53) [calculus] |
| Physical Chem | 160 [4 units; non-calculus] | 161A / 161B [calculus] |

Academic" Career Advising for Chemistry -common misconceptions and other factlet

Academic Track: HS —> BA/BS —> MA/MS —> PhD

How does "Professional Track" (eg, medicine, pharmacy, etc) compare?
How does "Technical Track" (eg, bench job in Silicon Valley) compare?
Which degree program is best suited for each career track?
Is this the usual pathway for most PhD degrees?
MA/MS: Is a Master's degree necessary? How are most Master's degrees awarded in the US? Who should enroll in a Master's program?
How much does it cost to attend graduate school? Why would someone pay you to get a doctorate?
HS —> BS requires good grades/SATs/etc; BS —> PhD requires good grades/GREs/etc; what does a PhD require?
How can you find out if graduate level coursework is for you?
How can you find out if graduate level research is for you?

(see ACS pamphlets for more details)

Teaching Chemistry/Science in Middle Schools & High Schools in CA

How do you know if you want to teach middle school or high school chemistry/science?
How are the "BA, Preparation for Teaching" degree and the "CA Teaching Credential" related (or NOT related)?
Are there scholarship programs specifically for those who plan to go into middle school & high school science teaching?
What are the criteria?
(see Maureen Scharberg, Director of Science Education, for more details)